

DIABETES

LITERATURE INDEX

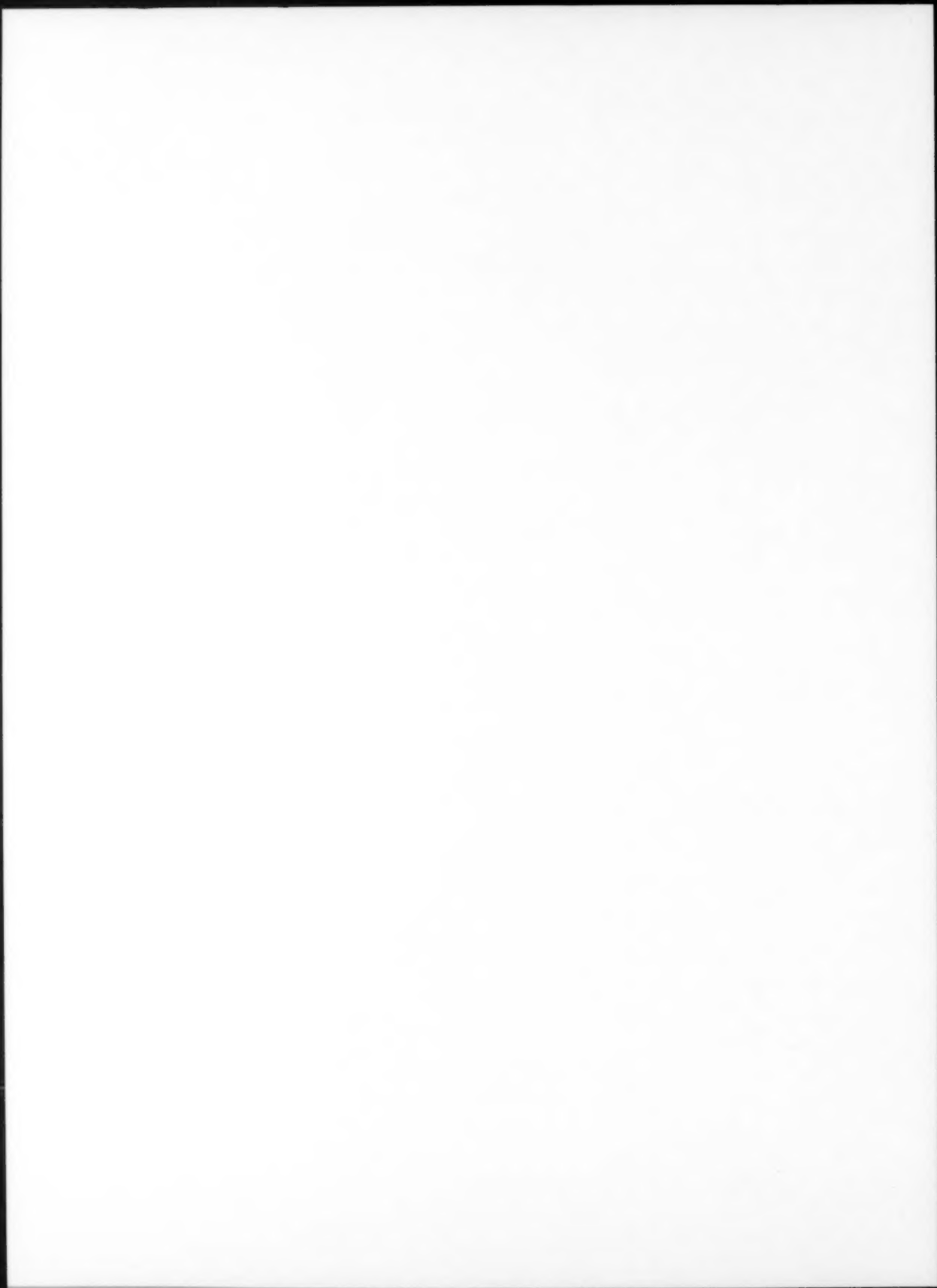
NATIONAL INSTITUTE OF ARTHRITIS, METABOLISM, AND DIGESTIVE DISEASES

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DIABETES LITERATURE INDEX

(By Authors, Hierarchy, and by Keywords in the Title)

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Order of Arrangement

Arrangement of hierarchy
MEDLARS terms included in hierarchy
Hierarchical Subject Index
Keyword Index
Author Index

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PREFACE

Diabetes Literature Index is a publication of the National Institute of Arthritis, Metabolism, and Digestive Diseases which has been prepared from MEDLARS (Medical Literature Analysis and Retrieval System) tapes furnished by the National Library of Medicine. This specialized information medium is being published to fill an existing great need in the field of diabetes and to assist the Institute in meeting its obligations to foster and support laboratory and clinical research into the nature, causes, and therapy for diabetes. Publication of *Diabetes Literature Index* makes available an index of all current scientific papers relevant to this field from the world literature.

It is hoped that the issuing of *Diabetes Literature Index* under the auspices of the National Institute of Arthritis, Metabolism, and Digestive Diseases will provide a much needed current awareness tool to scientists and will facilitate greater integration of research and clinical efforts in this field. *Diabetes Literature Index* has been published monthly since January 1966 and is cumulated at the end of each calendar year.

This publication is available free to National Institutes of Health grantees and contractors working in the field of diabetes, and libraries of medical schools. Requests from these *qualified* individuals to receive free copies of this publication must include their grant or contract number and the title of their project. These requests as well as address changes and other communications from these qualified recipients of free copies should be addressed to:

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National Institute of Arthritis,
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Building 31, Room 9A-03
Bethesda, Maryland 20014

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The Secretary of the Department of Health, Education, and Welfare has determined that the publication of this periodical is necessary in the transaction of the public business required by law of this Department. Use of funds for printing this periodical has been approved by the Director of the Office of Management and Budget through April 30, 1978

EDITORIAL NOTE

Diabetes Literature Index, a publication of the National Institute of Arthritis, Metabolism, and Digestive Diseases (NIAMDD), was brought about through the cooperative efforts of two divisions of the National Institutes of Health (NIAMDD and the National Library of Medicine), a professional society (American Diabetes Association), three Universities (University of Minnesota, University of Rochester, and Case Western Reserve University) as well as a number of individual scientists. In this rather unique cooperative project, initiated in 1958, duplication of effort has been reduced to a minimum. The digital information generated from the original input of bibliographic citations to the National Library of Medicine's MEDLARS system is processed by computer in several different ways and ultimately used to compose the final printed pages of this *Diabetes Literature Index*.

Each month the MEDLARS magnetic tape furnished by the National Library of Medicine (NLM) is used for identification of the diabetes related literature. All bibliographic citations classified under subject headings which we have designated as Priority I, represent articles that are 100% diabetes-related; they are automatically copied onto a new magnetic tape and constitute over seventy percent of the citations appearing in this index. The citations appearing under Priority II and III are subject headings which include both diabetes-related and unrelated articles; these are printed on cards by the computer. The diabetes related citations are identified manually and the corresponding digital information is added to the next month's Priority I magnetic tape.

In the selection of this bibliography, diabetes-related literature has been defined in a rather arbitrary but broad, comprehensive manner with a view toward providing the widest possible coverage of related areas. To this end the following subjects have been included: the Islets of Langerhans in the pancreas, including their structure and pathologic alterations; insulin, its properties, assay, synthesis, release or degradation; the direct and indirect effects of insulin on target organs; blood glucose level, hyper- and hypo-glycemia; insulin antibodies and insulin resistance; insulin allergy; recent developments in intermediary metabolism; experimental and clinical as-

pects of diabetes, signs, symptoms, diagnosis, treatment, complications, and associated conditions. Also included are other hormones and agents whose effects are similar, opposite, synergistic or antagonistic to insulin, either in their primary or secondary effects on target organs. It should be noted that there are undoubtedly some omissions due to the empirical definition of the diabetes-related literature which was adopted and also to the difficulties attendant in preparing such a large-scale bibliography by machine.

The *Diabetes Literature Index* is published in three formats: a hierarchical subject index, a key word in title index, and an author index. The magnetic tape version of these indexes, prepared at the University of Minnesota, is used to generate the copy for offset printing by the Government Printing Office on their Linotron.

Hierarchical Subject Index: This index differs from *Index Medicus* in that related terms are grouped together in a hierarchical relationship. Thus, all citations which are indexed under blood sugar, glucose tolerance, hyperglycemia, hypoglycemia, and glycosuria are grouped under the general heading "blood sugar, urine sugar and related topics." In both the Diabetes Key Word Index and in *Index Medicus* these terms are arranged alphabetically, and the corresponding citations are distributed at many different page locations. In some instances where only a few citations appear under several similar subject headings, these are grouped together under a more generic term; at times, a new non-MEDLARS index term is created to cover these groupings of subject headings. In some instances where many citations appear under a single subject heading, these are subdivided by using subheadings.

Although the hierarchical subject index is, in a sense, a miniaturized version of *Index Medicus* (dealing with the core diabetes literature) it provides a much greater depth of indexing. Many relevant citations included in the *Diabetes Literature Index* do not appear under the corresponding subject headings in *Index Medicus*; because of space limitations, only two or three of the ten or more index terms included on the MEDLARS magnetic tape are used in the printed version of *Index Medicus*. At times the reason why a given citation appears under a specific subject

heading may not be apparent from the article title. However, examination of the list of index terms for this citation (included in the Author Index under the principal author) will give the basis for this inclusion.

Beginning with the January 1971 issue, two sections are included in the Hierarchical Subject Index. In *Section 1*, "Diabetes Mellitus and Related Topics," the major subdivisions include the MEDLARS terms: Islets of Langerhans, Pancreas, Insulin, Glucagon, Blood and Urine Sugar; the subsection on "Diabetes," (Section 1.F) is extensively subdivided and many subheadings are used. In *Section 2*, "Endocrinology" is divided into subsections dealing with the individual endocrine glands. Hierarchical subject indexes related to Biochemistry and the organ systems (included in the experimental issues, published in February and March, 1969) are not included at this time; terms related to these subjects are, however, included in the Keyword Index.

A list of the subject headings included in the tree structure of the hierarchy (with their corresponding index numbers) and an alphabetic cross index of these subject headings is printed immediately preceding the Hierarchical Subject Index.

Key Word Index: For all of the diabetes-related literature chosen, key words in the title are identified by the computer and an expanded magnetic tape is prepared, listing the complete bibliographic citation under each key word. Most editorial decisions are made by the computer-disk-look-up-program using a master list of terms. Trivial words are deleted and specific word combinations are also selected. Abbreviations and word variant forms are replaced by the more commonly used key word. Inconsistencies between the British and American spellings are eliminated. In no case, however, is a change made within

the title itself. Words which have not appeared previously in the system are identified by the computer program and flagged for human decision.

With the publication of the hierarchical subject index, the key word index has been shortened. Diabetes is not included as a term in the key word index as it is covered in great detail in the hierarchical subject index. Although users may find the hierarchical subject index more useful for coverage of their broad interests, the key word index is advantageous in locating citations dealing with very specific terms—for example those relating to biochemistry or the organ systems. The key word index is of special value in locating citations dealing with the frontiers of diabetes research, for new terms appearing in the title are immediately included in the key word index.

Author Index: Because of space limitations, the printed version of *Index Medicus* excludes all but the first three authors in multiple author publications. However since the last author is often the best known, this name may be the most useful for reference or retrieval; therefore, all authors are included in the Diabetes Literature Author Index. These are automatically identified by the computer program and an alphabetized magnetic tape is prepared in which the complete bibliographic citation is included under each author. In addition, all of the index terms used by the NLM for each citation are listed under the principal author, thus providing an overview of the subject content of the article.

Users planning to systematically cover all articles appearing in a given month may do so by scanning the author index, limiting their perusal to the principal author, i.e., those citations which contain the MEDLARS index terms.

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IMMUNOHISTOCHEMICAL EVIDENCE FOR THE LOCALIZATION OF SOMATOSTATIN-LIKE IMMUNOREACTIVITY IN A CELL POPULATION OF THE PANCREATIC ISLETS. Luft R, Efendic S, Hokfelt T, Johansson O, Arimura A. *Med Biol* 52: 428-30, Dec 74 (Eng)

ANTIBODIES TO PANCREATIC ISLET CELLS IN INSULIN-DEPENDENT DIABETICS WITH COEXISTENT AUTOIMMUNE DISEASE. MacCuish AC, Irvine WJ, Barnes EW, Duncan LJ. *Lancet* 2: 1529-31, 28 Dec 74 (Eng)

EDITORIAL: AUTOIMMUNE DIABETES MELLITUS. Anonymous. *Lancet* 2: 1549-51, 28 Dec 74 (Eng)

NEONATAL HYPOGLYCAEMIA CAUSED BY ISLET CELL HYPERPLASIA. A CASE REPORT. Haasbroek AC, Venter ID. *S Afr J Surg* 12: 251-3, Dec 74 (Eng)

BASAL LAMINA SCAFFOLD-ANATOMY AND SIGNIFICANCE FOR MAINTENANCE OF ORDERLY TISSUE STRUCTURE. Vracko R. *Am J Pathol* 77: 314-46, Nov 74 (Eng) [66]

1.A.1 ISLANDS OF LANGERHANS, ANATOMY RELATED

HISTOGENESIS OF THE ISLETS OF LANGERHANS IN MALATHION-TREATED CHICK EMBRYOS. Arsenaault AL, Gibson MA. *Can J Zool* 52: 1541-4, Dec 74 (Eng)

[HISTOCHEMICAL DEMONSTRATION OF PANCREATIC B-CELLS BY THE USE OF A PERFORMIC ACID-COLLOIDAL IRON/SULFIDE-SILVER METHOD (AUTHORS TRANSL.)] Klessen C. *Histochemistry* 41: 133-9, 1974 (Ger)

MODEL FOR EXTRUSION OF INSULIN BETA GRANULES. Lazarus NR, Davis B. *Lancet* 1: 143-4, 18 Jan 75 (Eng)

LONG-TERM EFFECTS OF GLUCOSE ON INSULIN RELEASE AND GLUCOSE OXIDATION BY MOUSE PANCREATIC ISLETS MAINTAINED IN TISSUE CULTURE. Andersson A. *Biochem J* 140: 377-82, Jun 74 (Eng)

1.A.2 ISLANDS OF LANGERHANS, BIOCHEMISTRY RELATED

ZINC AND INSULIN CONTENT IN PANCREATIC ISLETS OF RATS AFTER ADMINISTRATION OF HYPOGLYCEMIC SULFONAMIDES. Lazaris YA, Kuts LG, Baveliskii ZE. *Bull Exp Biol Med* 77: 647-9, Dec 74 (Eng)

ENZYME-INDUCED MODIFICATIONS OF BETA CELL FUNCTION. I. EFFECT OF PRONASE ON INSULIN SECRETION. Lambert AE, Henquin JC, Orci L, Renold AE. *Eur J Clin Invest* 4: 459-68, 5 Dec 74 (Eng)

SIGNIFICANCE OF ACID AMYLOGLYCOSIDASE IN SULFONYLUREA-INDUCED INSULIN RELEASE. Lundquist I. *Diabetologia* 10: 717-24, Dec 74 (Eng)

EFFECTS OF GLUCOSE ON THE ULTRASTRUCTURE AND INSULIN BIOSYNTHESIS OF ISOLATED MOUSE PANCREATIC ISLETS MAINTAINED IN TISSUE CULTURE. Andersson A, Westman J, Hellerstrom C. *Diabetologia* 10: 743-53, Dec 74 (Eng)

SOMATOSTATIN INHIBITS INSULIN AND GLUCAGON RELEASE BY MONOLAYER CELL CULTURES OF RAT ENDOCRINE PANCREAS. Fujimoto WY, Ensink JW, Williams RH. *Life Sci* 15: 1999-2004, 1 Dec 74 (Eng)

[THE ROLE OF ZINC BLOCKADE IN THE PATHOGENESIS OF DITHIZONE-INDUCED DIABETES] Lazaris IA, Meiramon GG. *Probl Endokrinol (Mosk)* 20: 90-4, Sep-Oct 74 (Rus)

STREPTOZOTOCIN-DIABETES IN THE CHINESE HAMSTER. LONG-TERM EFFECTS ON THE LIGHT MICROSCOPIC STRUCTURE OF THE PANCREATIC ISLET TISSUE, LIVER AND KIDNEY. Wilander E. *Acta Pathol Microbiol Scand [A]* 82: 767-76, Nov 74 (Eng)

DIABETES MELLITUS-A MEMBRANE RECEPTOR DEFECT. Connolly PE, Turtle JR. *Aust NZ J Med* 4: 228-36, Jun 74 (Eng)

LONG-TERM EFFECTS OF GLUCOSE ON INSULIN RELEASE AND GLUCOSE OXIDATION BY MOUSE PANCREATIC ISLETS MAINTAINED IN TISSUE CULTURE. Andersson A. *Biochem J* 140: 377-82, Jun 74 (Eng)

THE EFFECT OF STARVATION ON INSULIN SECRETION AND GLUCOSE METABOLISM IN MOUSE PANCREATIC ISLETS. Hedeskov CJ, Capito K. *Biochem J* 140: 423-33, Jun 74 (Eng)

CYTOTOXIC EFFECTS OF STREPTOZOTOCIN AND N-NITROSOMETHYLUREA ON THE PANCREATIC B CELLS WITH SPECIAL REGARD TO THE ROLE OF NICOTINAMIDE-ADENINE DINUCLEOTIDE. Gunnarsson R, Berne C, Hellerstrom C. *Biochem J* 140: 487-94, Jun 74 (Eng)

THE STIMULUS-SECRETION COUPLING OF GLUCOSE-INDUCED INSULIN RELEASE-XVII. EFFECTS OF SULFONYLUREAS AND DIAZOXIDE ON INSULAR BIOSYNTHETIC ACTIVITY. Levy J, Malaisse WJ. *Biochem Pharmacol* 24: 235-9, 15 Jan 75 (Eng)

1.A.3 ISLANDS OF LANGERHANS, PHYSIOLOGY RELATED

PANCREATIC ALPHA CELL FUNCTION IN RELATION TO CHOLESTEROL METABOLISM IN BANDICOTA BENGALENSIS. Suryawanshi SA, Sontakke KK, Kumar VR. *Endokrynol Pol* 26: 21-3, Jan-Feb 75 (Eng)

INHIBITION OF GLUCAGON SECRETION BY GLUCOSE AND GLYCERALDEHYDE ON ISOLATED ISLETS OF WISTAR RATS. Hahn HJ, Ziegler M, Mohr E. *FEBS Lett* 49: 100-2, 1 Dec 74 (Eng)

CATIONIC ENVIRONMENT AND DYNAMICS OF INSULIN SECRETION. III. EFFECT OF THE ABSENCE OF POTASSIUM. Henquin JC, Lambert AE. *Diabetologia* 10: 789-94, Dec 74 (Eng)

ELECTRON MICROSCOPE STUDIES ON THE GRANULE RELEASE FROM THE RAT PANCREATIC B-CELLS IN ORGAN CULTURE. Fukuma M. *J Electron Microsc (Tokyo)* 23: 167-83, 1974 (Eng)

MODEL FOR EXTRUSION OF INSULIN BETA GRANULES. Lazarus NR, Davis B. *Lancet* 1: 143-4, 18 Jan 75 (Eng)

EFFECTS OF STREPTOZOTOCIN ON GLUCOSE METABOLISM, INSULIN RESPONSE, AND ADIPOSITY IN OB/OB MICE. Batchelor BR, Stern JS, Johnson PR, Mahler RJ. *Metabolism* 24: 77-91, Jan 75 (Eng)

[INSULIN RECEPTORS AND MECHANISM OF THE ACTION OF INSULIN IN THE BODY] Staroseltseva LK. *Probl Endokrinol (Mosk)* 20: 108-13, Sep-Oct 74 (Rus)

VESICULAR BINESIS: GLUCOSE EFFECT ON INSULIN SECRETORY VESICLES. Gabbay KH, Korff J, Schneberger EE. *Science* 187: 177-9, 17 Jan 75 (Eng)

IMMUNE INSULITIS AND MANIFEST DIABETES MELLITUS. STUDIES ON THE COURSE OF IMMUNE INSULITIS AND THE INDUCTION OF DIABETES MELLITUS IN RABBITS IMMUNIZED WITH INSULIN. Kloppe G, Altenahr E, Freytag G, Jansen FK. *Virchows Arch [Pathol Anat]* 364: 333-46, 1974 (Eng)

DIABETES MELLITUS-A MEMBRANE RECEPTOR DEFECT. Connolly PE, Turtle JR. *Aust NZ J Med* 4: 228-36, Jun 74 (Eng)

1.A.4 ISLANDS OF LANGERHANS, PHARMACOLOGY RELATED

ZINC AND INSULIN CONTENT IN PANCREATIC ISLETS OF RATS AFTER ADMINISTRATION OF HYPOGLYCEMIC SULFONAMIDES. Lazaris YA, Kuts LG, Baveliskii ZE. *Bull Exp Biol Med* 77: 647-9, Dec 74 (Eng)

HISTOGENESIS OF THE ISLETS OF LANGERHANS IN MALATHION-TREATED CHICK EMBRYOS. Arsenaault AL, Gibson MA. *Can J Zool* 52: 1541-4, Dec 74 (Eng)

PANCREATIC ALPHA CELL FUNCTION IN RELATION TO CHOLESTEROL METABOLISM IN BANDICOTA BENGALENSIS. Suryawanshi SA, Sontakke KK, Kumar VR. *Endokrynol Pol* 26: 21-3, Jan-Feb 75 (Eng)

ENZYME-INDUCED MODIFICATIONS OF BETA CELL FUNCTION. I. EFFECT OF PRONASE ON INSULIN SECRETION. Lambert AE, Henquin JC, Orci L, Renold AE. *Eur J Clin Invest* 4: 459-68, 5 Dec 74 (Eng)

INHIBITION OF GLUCAGON SECRETION BY GLUCOSE AND GLYCERALDEHYDE ON ISOLATED ISLETS OF WISTAR RATS. Hahn HJ, Ziegler M, Mohr E. *FEBS Lett* 49: 100-2, 1 Dec 74 (Eng)

1.B PANCREAS

EFFECT OF A LOW DOSE OF ALLOXAN ON BLOOD GLUCOSE, ISLET BETA CELL GRANULATION, BODY WEIGHT, AND INSULIN RESISTANCE OF OB/OB MICE. Solomon J, Bulkley RJ, Mayer J *Diabetologia* 10: 709-15, Dec 74 (Eng)

EFFECTS OF GLUCOSE ON THE ULTRASTRUCTURE AND INSULIN BIOSYNTHESIS OF ISOLATED MOUSE PANCREATIC ISLETS MAINTAINED IN TISSUE CULTURE. Andersson A, Westman J, Hellerstrom C *Diabetologia* 10: 743-53, Dec 74 (Eng)

EFFECTS OF STREPTOZOTOCIN ON GLUCOSE METABOLISM, INSULIN RESPONSE, AND ADIPOSITY IN OB/OB MICE. Batchelor BR, Stern JS, Johnson PR, Mahler RJ *Metabolism* 24: 77-91, Jan 75 (Eng)

INSULIN-GLUCAGON SUBSTRATE INTERRELATIONS IN THE FETAL SHEEP. Fisher RH Jr, Erenberg A, Sperling MA, Oh W, Fisher DA *Pediatr Res* 8: 951-5, Dec 74 (Eng)

STREPTOZOTOCIN-DIABETES IN THE CHINESE HAMSTER. LONG-TERM EFFECTS ON THE LIGHT MICROSCOPIC STRUCTURE OF THE PANCREATIC ISLET TISSUE, LIVER AND KIDNEY. Wilander E *Acta Pathol Microbiol Scand [A]* 82: 767-76, Nov 74 (Eng)

LONG-TERM EFFECTS OF GLUCOSE ON INSULIN RELEASE AND GLUCOSE OXIDATION BY MOUSE PANCREATIC ISLETS MAINTAINED IN TISSUE CULTURE. Andersson A *Biochem J* 140: 377-82, Jun 74 (Eng)

THE EFFECT OF STARVATION ON INSULIN SECRETION AND GLUCOSE METABOLISM IN MOUSE PANCREATIC ISLETS. Hedeskov CJ, Capito K *Biochem J* 140: 423-33, Jun 74 (Eng)

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1.A.5 ISLANDS OF LANGERHANS, PATHOLOGY RELATED

[WDHA (WATERY DIARRHEA, HYPOKALEMIA, A CHLORHYDRIA) SYNDROME] Saito R, Himeno S, Toei N *Jap J Clin Med* 32: 711-8, 10 Apr 74 (Jap) [38]

HYPOGLYCEMIA: A PERSPECTIVE. Berger H *Can Med Assoc J* 112: 81-5, 8 Feb 75 (Eng)

EFFECT OF A LOW DOSE OF ALLOXAN ON BLOOD GLUCOSE, ISLET BETA CELL GRANULATION, BODY WEIGHT, AND INSULIN RESISTANCE OF OB/OB MICE. Solomon J, Bulkley RJ, Mayer J *Diabetologia* 10: 709-15, Dec 74 (Eng)

THE DEVELOPMENT OF DIABETES FOLLOWING COXSACKIE B VIRUS INFECTION IN MICE. Coleman TJ, Taylor KW, Gamble DR *Diabetologia* 10: 755-9, Dec 74 (Eng)

PATHOMORPHOLOGIC, BIOCHEMICAL, AND DIAGNOSTIC ASPECTS OF GASTRINOMAS (ZOLLINGER-ELLISON SYNDROME). Creutzfeldt W, Arnold R, Creutzfeldt C, Track NS *Hum Pathol* 6: 47-76, Jan 75 (Eng)

PROCEEDINGS: THE FREEZE-ETCHING APPROACH TO THE STUDY OF ISLET PATHOPHYSIOLOGY IN DIABETES. Orci L *J Clin Pathol* 27: 928, Nov 74 (Eng)

INSULINOMA. Dean AC, Smith RC *J R Coll Surg Edinb* 20: 49-53, Jan 75 (Eng)

[CLINICAL DEMONSTRATIONS] Labhart A *Schweiz Med Wochenschr* 104: 1830-41, 14 Dec 74 (Ger)

[CHRONIC CALCIPHYLACTIC PANCREATITIS] Klemm G *Z Gesamte Inn Med* 29: 722-5, 1 Sep 74 (Ger)

STREPTOZOTOCIN-DIABETES IN THE CHINESE HAMSTER. LONG-TERM EFFECTS ON THE LIGHT MICROSCOPIC STRUCTURE OF THE PANCREATIC ISLET TISSUE, LIVER AND KIDNEY. Wilander E *Acta Pathol Microbiol Scand [A]* 82: 767-76, Nov 74 (Eng)

1.B PANCREAS

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LIPIDS AND MEMBRANES. Lucy JA *FEBS Lett* 40: suppl0s105-11, 23 Mar 74 (Eng) [45]

[HISTOCHEMICAL DEMONSTRATION OF PANCREATIC B-CELLS BY THE USE OF A PERFORMIC ACID-COLLOIDAL IRON/SULFIDE-SILVER METHOD (AUTHORS TRANSL)] Klessen C *Histochemistry* 41: 133-9, 1974 (Ger)

EFFECT OF INTRAPANCREATIC ADMINISTRATION OF CALCIUM UPON GLUCAGON SECRETION IN DOGS. Ohneda A, Matsuda K, Horigome K, Ishii S, Yamagata S *Tohoku J Exp Med* 113: 301-11, Aug 74 (Eng)

1.B.2 PANCREAS, BIOCHEMISTRY RELATED

[STIMULATION OF CYCLIC AMP AND CYCLIC GMP IN RAT PANCREAS STIMULATED BY GASTRO-INTESTINAL HORMONES IN VIVO AND IN VITRO] Deschodt-Lanckman M, Robberecht P, De Neef P, Christophe J *Arch Int Physiol Biochim* 82: 180, Feb 74 (Fre)

ACYLATION OF MONOGLYCERIDES BY LOCUST FAT-BODY MICROSOMES. Peled Y, Tietz A *FEBS Lett* 41: 65-8, 15 Apr 74 (Eng)

LIPIDS AND MEMBRANES. Lucy JA *FEBS Lett* 40: suppl0s105-11, 23 Mar 74 (Eng) [45]

STEREOSPECIFICITY OF LIPASES. ENZYMIC HYDROLYSIS OF ENANTIOMERIC ALKYL DIACYLGLYCEROLS BY LIPOPROTEIN LIPASE, LINGUAL LIPASE AND PANCREATIC LIPASE. Paltauf F, Esfandi F, Holasek A *FEBS Lett* 40: 119-23, 15 Mar 74 (Eng)

EFFECT OF SPANCHNIC NERVE STIMULATION ON GLUCAGON AND INSULIN OUTPUT IN THE DOG. Kaneto A, Kajinuma H, Kosaka K *Endocrinology* 96: 143-50, Jan 75 (Eng)

INTERACTION OF AMINO ACIDS AND CYCLIC AMP ON THE RELEASE OF INSULIN AND GLUCAGON BY NEWBORN RAT PANCREAS. Jarrousse C, Rosselin G *Endocrinology* 96: 168-77, Jan 75 (Eng)

IN VIVO MODELING FOR GLUCOSE HOMEOSTASIS. Finkelstein SM, Bleicher MA, Bathany S, Tiefenbrun J *IEEE Trans Biomed Eng* 22: 47-52, Jan 75 (Eng)

SOMATOSTATIN INHIBITS INSULIN AND GLUCAGON RELEASE BY MONOLAYER CELL CULTURES OF RAT ENDOCRINE PANCREAS. Fujimoto WY, Ensink JW, Williams RH *Life Sci* 15: 1999-2004, 1 Dec 74 (Eng)

EFFECTS OF BICYCLIC LEUCINE ANALOGUES ON INSULIN RELEASE FROM THE PERFUSED RAT PANCREAS AND FLUORESCENCE OF REDUCED PYRIDINE NUCLEOTIDES FROM PERFUSED PANCREATIC ISLETS. Joost HG, Panten U, Ishida H, Poser W, Hasselblatt A *Life Sci* 16: 247-54, 15 Jan 75 (Eng)

RECURRENT ACUTE PANCREATITIS IN PATIENTS WITH CYSTIC FIBROSIS WITH NORMAL PANCREATIC ENZYMES. Shwachman H, Lebenthal E, Khaw KT *Pediatrics* 55: 86-95, Jan 75 (Eng)

[INTESTINAL HORMONES IN DIABETES] Tsvetanov L *Vutr Boles* 13: 1-6, 1974 (Bul) [40]

TRAUMA: HORMONAL FACTORS WITH SPECIAL REFERENCE TO DIABETES MELLITUS. Efendic S, Cerasi E, Luft R *Acta Anaesthesiol Scand [Suppl]* 107-19, 1974 (Eng)

1.B.3 PANCREAS, PHYSIOLOGY RELATED

THE IMMEDIATE INSULIN SECRETORY RESPONSE OF THE ISOLATED PERFUSED RAT PANCREAS TO TOLBUTAMIDE AND GLUCOSE. Lenzen S *FEBS Lett* 49: 407-8, 1 Jan 75 (Eng)

IN VIVO MODELING FOR GLUCOSE HOMEOSTASIS. Finkelstein SM, Bleicher MA, Bathany S, Tiefenbrun J *IEEE Trans Biomed Eng* 22: 47-52, Jan 75 (Eng)

EFFECT OF INTRAPANCREATIC ADMINISTRATION OF CALCIUM UPON GLUCAGON SECRETION IN DOGS. Ohneda A, Matsuda K, Horigome K, Ishii S, Yamagata S *Tohoku J Exp Med* 113: 301-11, Aug 74 (Eng)

[EXOCRINE FUNCTION OF THE PANCREAS IN DIABETES MELLITUS] Kosenko NP *Vrach Delo* 42-5, Dec 74 (Rus)

1.B.4 PANCREAS, PHARMACOLOGY RELATED

[STIMULATION OF CYCLIC AMP AND CYCLIC GMP IN RAT PANCREAS STIMULATED BY GASTRO-INTESTINAL HORMONES IN VIVO AND IN VITRO] Deschodt-Lanckman M, Robberecht P, De Neef P, Christophe J *Arch Int Physiol Biochim* 82: 180, Feb 74 (Fre)

THE IMMEDIATE INSULIN SECRETORY RESPONSE OF THE ISOLATED PERFUSED RAT PANCREAS TO TOLBUTAMIDE AND GLUCOSE. Lenzen S *FEBS Lett* 49: 407-8, 1 Jan 75 (Eng)

EFFECT OF CHOLERA TOXIN ON INSULIN RELEASE IN MONOLAYER CULTURES OF THE ENDOCRINE PANCREAS. Wollheim CB, Blondel B, Sharp GW *Diabetologia* 10: 783-7, Dec 74 (Eng)

THE EFFECT OF GLUCOSE ANOMERS UPON INSULIN AND GLUCAGON SECRETION. Rossini AA, Soeldner JS, Hiebert JM, Weir GC, Gleason RE *Diabetologia* 10: 795-9, Dec 74 (Eng)

SOMATOSTATIN INHIBITS INSULIN AND GLUCAGON RELEASE BY MONOLAYER CELL CULTURES OF RAT ENDOCRINE PANCREAS. Fujimoto WY, Ensink JW, Williams RH *Life Sci* 15: 1999-2004, 1 Dec 74 (Eng)

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NUCLEOTIDES FROM PERIFUSED PANCREATIC ISLETS. Joost HG, Panten U, Ishida H, Poser W, Hasselblatt A *Life Sci* 16: 247-54, 15 Jan 75 (Eng)

GLUCAGON AND THE PANCREAS, LIVER AND BILE DUCTS. Barbezat GO *S Afr J Surg* 12: 213-7, Dec 74 (Eng) [35]

STREPTOZOTOCIN-DIABETES IN THE CHINESE HAMSTER. LONG-TERM EFFECTS ON THE LIGHT MICROSCOPIC STRUCTURE OF THE PANCREATIC ISLET TISSUE, LIVER AND KIDNEY. Wilander E *Acta Pathol Microbiol Scand* [A] 82: 767-76, Nov 74 (Eng)

1.B.5 PANCREAS, PATHOLOGY RELATED

THE DEVELOPMENT OF DIABETES FOLLOWING COXSACKIE B VIRUS INFECTION IN MICE. Coleman TJ, Taylor KW, Gamble DR *Diabetologia* 10: 755-9, Dec 74 (Eng)

DIABETES IN CHILDHOOD. Stimmiller L *Gyus Hosp Rep* 122: 17-23, 1973 (Eng)

[EARLY DIAGNOSIS AND PREVENTION OF DIABETES MELLITUS] Atzenhofer K, Schnetz H *Med Welt* 26: 95-102, 17 Jan 75 (Ger) [35]

RECURRENT ACUTE PANCREATITIS IN PATIENTS WITH CYSTIC FIBROSIS WITH NORMAL PANCREATIC ENZYMES. Shwachman H, Lebenthal E, Khaw KT *Pediatrics* 55: 86-95, Jan 75 (Eng)

IMMUNE INSULITIS AND MANIFEST DIABETES MELLITUS. STUDIES ON THE COURSE OF IMMUNE INSULITIS AND THE INDUCTION OF DIABETES MELLITUS IN RABBITS IMMUNIZED WITH INSULIN. Kloppe G, Altenahr E, Freytag G, Jansen FK *Virchows Arch [Pathol Anat]* 364: 333-46, 1974 (Eng)

STREPTOZOTOCIN-DIABETES IN THE CHINESE HAMSTER. LONG-TERM EFFECTS ON THE LIGHT MICROSCOPIC STRUCTURE OF THE PANCREATIC ISLET TISSUE, LIVER AND KIDNEY. Wilander E *Acta Pathol Microbiol Scand* [A] 82: 767-76, Nov 74 (Eng)

BASAL LAMINA SCAFFOLD-ANATOMY AND SIGNIFICANCE FOR MAINTENANCE OF ORDERLY TISSUE STRUCTURE. Vracko R *Am J Pathol* 77: 314-46, Nov 74 (Eng) [66]

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1.C INSULIN

FLUOROMETRIC ASSAY FOR DISCRIMINATING THE STATES OF AMINO GROUPS IN INSULIN, LYSOZYME AND ASPARAGINASE WITH FLUORESCAMINE. Tamaura Y, Todokoro K, Ikebe M, Makino H, Hirose S *FEBS Lett* 50: 70-3, 15 Jan 75 (Eng)

BETA-PLEATED SHEET FIBRILS. A COMPARISON OF NATIVE AMYLOID WITH SYNTHETIC PROTEIN FIBRILS. Glenner GG, Eanes ED, Bladen HA, Linke RP, Termine JD *J Histochem Cytochem* 22: 1141-58, Dec 74 (Eng)

PROCEEDINGS: THE DALE MEDAL 1974. Anonymous *J Endocrinol* 63: 1p-2p, Nov 74 (Eng)

PHYSIOLOGICAL CONTROL OF GROWTH HORMONE IN THE RABBIT. McIntyre HB, Odell WD *Neuroendocrinology* 16: 8-21, 1974 (Eng)

GROWTH HORMONE RESPONSES TO HYPOGLYCEMIA IN POSTMENOPAUSAL DEPRESSED WOMEN. Gruen PH, Sachar EJ, Altman N, Sassini J *Arch Gen Psychiatry* 32: 31-3, Jan 75 (Eng)

1.C.1 INSULIN, BIOCHEMISTRY RELATED

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1.C.1.2 INSULIN, ANALYSIS

ZINC AND INSULIN CONTENT IN PANCREATIC ISLETS OF RATS AFTER ADMINISTRATION OF HYPOGLYCEMIC SULFONAMIDES. Lazaris YA, Kuts LG, Bavel'skii ZE *Bull Exp Biol Med* 77: 647-9, Dec 74 (Eng)

PATHOMORPHOLOGIC, BIOCHEMICAL, AND DIAGNOSTIC ASPECTS OF GASTRINOMAS (ZOLLINGER-ELLISON SYNDROME). Creutzfeldt W, Arnold R, Creutzfeldt C, Track NS *Hum Pathol* 6: 47-76, Jan 75 (Eng)

IN VIVO MODELING FOR GLUCOSE HOMEOSTASIS. Finkelstein SM, Bleicher MA, Battahny S, Tiefenbrun J *IEEE Trans Biomed Eng* 22: 47-52, Jan 75 (Eng)

[TOTAL SYNTHESIS OF HUMAN INSULIN UNDER DIRECTED FORMATION OF THE DISULFIDE BONDS] Sieber P, Kamber B, Hartmann A, Johl A, Riniker B, Rittel W *Helv Chim Acta* 57: 2617-21, 1974 (Ger)

PROCEEDINGS: VARIETIES OF INSULIN. THE SIR HENRY DALE LECTURE FOR 1974. Hodgkin DC *J Endocrinol* 63: 3p-14p, Nov 74 (Eng) [20]

POWER-POINT SYSTEM TO EVALUATE RADIOIMMUNOASSAYS. Cerreo E *Lab Pract* 23: 625-9, Nov 74 (Eng)

1.C.1.3 INSULIN, CHEMICAL SYNTHESIS

[TOTAL SYNTHESIS OF HUMAN INSULIN UNDER DIRECTED FORMATION OF THE DISULFIDE BONDS] Sieber P, Kamber B, Hartmann A, Johl A, Riniker B, Rittel W *Helv Chim Acta* 57: 2617-21, 1974 (Ger)

1.C.1.4 INSULIN, BIOSYNTHESIS

[MECHANISM OF THE DISORDER IN ERYTHROCYTE REGENERATION IN DEFICIENT INSULIN FORMATION] Vinichenko NS *Fiziol Zh* 20: 550-3, Jul-Aug 74 (Ukr)

THE CLINICAL SIGNIFICANCE OF HIGHLY PURIFIED PIG-INSULIN PREPARATIONS. Deckert T, Andersen OO, Poulsen JE *Diabetologia* 10: 703-8, Dec 74 (Eng)

EFFECTS OF GLUCOSE ON THE ULTRASTRUCTURE AND INSULIN BIOSYNTHESIS OF ISOLATED MOUSE PANCREATIC ISLETS MAINTAINED IN TISSUE CULTURE. Andersson A, Westman J, Hellerstrom C *Diabetologia* 10: 743-53, Dec 74 (Eng)

[HISTOCHEMICAL DEMONSTRATION OF PANCREATIC B-CELLS BY THE USE OF A PERFORMIC ACID-COLLOIDAL IRON/SULFIDE-SILVER METHOD (AUTHORS TRANSL.)] Klessen C *Histochemistry* 41: 133-9, 1974 (Ger)

PROCEEDINGS: VARIETIES OF INSULIN. THE SIR HENRY DALE LECTURE FOR 1974. Hodgkin DC *J Endocrinol* 63: 3p-14p, Nov 74 (Eng) [20]

[INSULIN RECEPTORS AND MECHANISM OF THE ACTION OF INSULIN IN THE BODY] Staroseltseva LK *Probl Endokrinol (Mosk)* 20: 108-13, Sep-Oct 74 (Rus)

THE STIMULUS-SECRETION COUPLING OF GLUCOSE-INDUCED INSULIN RELEASE. XVII. EFFECTS OF SULFONYLUREAS AND DIAZOXIDE ON INSULAR BIOSYNTHETIC ACTIVITY. Levy J, Malaisse WJ *Biochem Pharmacol* 24: 235-9, 15 Jan 75 (Eng)

1.C.1.5 INSULIN, METABOLISM

EFFECTS OF GLUCOSE ON THE ULTRASTRUCTURE AND INSULIN BIOSYNTHESIS OF ISOLATED MOUSE PANCREATIC ISLETS MAINTAINED IN TISSUE CULTURE. Andersson A, Westman J, Hellerstrom C *Diabetologia* 10: 743-53, Dec 74 (Eng)

CATIONIC ENVIRONMENT AND DYNAMICS OF INSULIN SECRETION. III. EFFECT OF THE ABSENCE OF POTASSIUM. Henquin JC, Lambert AE *Diabetologia* 10: 789-94, Dec 74 (Eng)

[HISTOCHEMICAL DEMONSTRATION OF PANCREATIC B-CELLS BY THE USE OF A PERFORMIC ACID-COLLOIDAL IRON/SULFIDE-SILVER METHOD (AUTHORS TRANSL.)] Klessen C *Histochemistry* 41: 133-9, 1974 (Ger)

SOMATOSTATIN INHIBITS INSULIN AND GLUCAGON RELEASE BY MONOLAYER CELL CULTURES OF RAT ENDOCRINE PANCREAS. Fujimoto WY, Ensinck JW, Williams RH *Life Sci* 15: 1999-2004, 1 Dec 74 (Eng)

EFFECTS OF BICYCLIC LEUCINE ANALOGUES ON INSULIN RELEASE FROM THE PERFUSED RAT PANCREAS AND FLUORESCENCE OF REDUCED PYRIDINE NUCLEOTIDES FROM PERIFUSED PANCREATIC ISLETS. Joost HG, Panten U, Ishida H, Poser W, Hasselblatt A *Life Sci* 16: 247-54, 15 Jan 75 (Eng)

[INSULIN RECEPTORS AND MECHANISM OF THE ACTION OF INSULIN IN THE BODY] Staroseltseva LK *Probl Endokrinol (Mosk)* 20: 108-13, Sep-Oct 74 (Rus)

THE ASSESSMENT OF INSULIN, GLUCOSE AND LIPIDS IN ISCHEMIC THROMBOTIC CEREBROVASCULAR DISEASE. Gertler MM, Leetma HE, Koutrouby RJ, Johnson ED *Stroke* 6: 77-84, Jan-Feb 75 (Eng)

TRAUMA: HORMONAL FACTORS WITH SPECIAL REFERENCE TO DIABETES MELLITUS. Efendic S, Cerasi E, Luft R *Acta Anaesthesiol Scand [Suppl]* 107-19, 1974 (Eng)

BINDING OF INSULIN AND OTHER HORMONES TO NON-RECEPTOR MATERIALS: SATURABILITY, SPECIFICITY AND APPARENT NEGATIVE COOPERATIVITY. Cuatrecasas P, Hollenberg MD *Biochem Biophys Res Commun* 62: 31-41, 6 Jan 75 (Eng)

1.C.1.6 INSULIN, BLOOD

LONG-TERM INFUSION OF GROWTH HORMONE RELEASE INHIBITING HORMONE IN ACROMEGALY: EFFECTS ON PITUITARY

Diabetes Literature—Hierarchical Index

1.C INSULIN

- AND PANCREATIC HORMONES. Besser GM, Mortimer GH, McNeill AS, Thorne MO, Batistoni GA, Bloom SR, Kastrup KW, Hanssen KF, Hall R, Coy DH, Kastin AJ, Schally AV *Br Med J* 14: 622-7, 14 Dec 74 (Eng)
- SULFONYLUREA-INDUCED FACTITIOUS HYPOGLYCEMIA IN A NONDIABETIC NURSE. Walfish PG, Kashyap RP, Greenstein S *Can Med Assoc J* 112: 71-2, 11 Jan 75 (Eng)
- HYPOGLYCEMIA: A PERSPECTIVE. Berger H *Can Med Assoc J* 112: 81-5, 8 Feb 75 (Eng)
- EFFECT OF SPLANCHNIC NERVE STIMULATION ON GLUCAGON AND INSULIN OUTPUT IN THE DOG. Kaneto A, Kajinuma H, Kosaka K *Endocrinology* 96: 143-50, Jan 75 (Eng)
- ALTERATION OF METABOLIC AND HORMONAL RESPONSES TO EXERCISE BY PHYSICAL TRAINING. Rennie MJ, Johnson RH *Eur J Appl Physiol* 33: 215-26, 1974 (Eng)
- SIGNIFICANCE OF ACID AMYLOGLUCOSIDASE IN SULFONYLUREA-INDUCED INSULIN RELEASE. Lundquist I *Diabetologia* 10: 717-24, Dec 74 (Eng)
- SEX RELATED DIURNAL VARIATIONS IN VENOUS BLOOD GLUCOSE AND PLASMA INSULIN LEVELS. EFFECTS OF ESTROGENS IN MEN. Hauteceuvre M, Slama G, Assan R, Tchobroutsky G *Diabetologia* 10: 725-30, Dec 74 (Eng)
- THE DEVELOPMENT OF DIABETES FOLLOWING COXSACKIE B VIRUS INFECTION IN MICE. Coleman TJ, Taylor KW, Gamble DR *Diabetologia* 10: 755-9, Dec 74 (Eng)
- INSULIN SECRETORY RESPONSE OF DIABETICS DURING THE PERIOD OF IMPROVEMENT OF GLUCOSE TOLERANCE TO NORMAL RANGE. Kosaka K, Hagura R, Kuzuya T, Kuzuya N *Diabetologia* 10: 775-82, Dec 74 (Eng)
- THE EFFECT OF GLUCOSE ANOMERS UPON INSULIN AND GLUCAGON SECRETION. Rosini AA, Soeldner JS, Hiebert JM, Weir GC, Gleason RE *Diabetologia* 10: 795-9, Dec 74 (Eng)
- IN VIVO MODELING FOR GLUCOSE HOMEOSTASIS. Finkelstein SM, Bleicher MA, Bathany S, Tiefenbrun J *IEEE Trans Biomed Eng* 22: 47-52, Jan 75 (Eng)
- STUDIES OF GLUCOSE TOLERANCE, INSULIN AND GROWTH HORMONE SECRETION DURING THE MENSTRUAL CYCLE IN HEALTHY WOMEN. Walsh CH, OSullivan DJ *Ir J Med Sci* 144: 18-24, Jan 75 (Eng)
- GLUCAGON AND PLASMA CATECHOLAMINE RESPONSES TO GRADED AND PROLONGED EXERCISE IN MAN. Galbo H, Holst JJ, Christensen NJ *J Appl Physiol* 38: 70-6, Jan 75 (Eng)
- THE GLUCAGON INFUSION TEST AND GROWTH HORMONE SECRETION. AvRuskin TW, Tang SC, Juan CS *J Pediatr* 86: 102-6, Jan 75 (Eng)
- GLYCEROL INTOLERANCE IN A CHILD WITH INTERMITTENT HYPOGLYCEMIA. Maclaren NK, Cowles C, Ozand PT, Shutee R, Cornblath M *J Pediatr* 86: 43-9, Jan 75 (Eng)
- INSULINOMA. Dean AC, Smith RC *J R Coll Surg Edinb* 20: 49-53, Jan 75 (Eng)
- THE EFFECTS OF HIGH CARBOHYDRATE DIETS ON HYPERINSULINEMIC MONKEYS (MACACA MULATTA). Hamilton CL, Kuo PT, Feng L *J Med Primatol* 3: 276-84, 1974 (Eng)
- [HYPERACTIVITY OF THE BETA-RECEPTOR IN CHILDREN—WITH SPECIAL REFERENCE TO PERIODIC VOMITING (SO-CALLED AUTOTOXICATION) AND ORTHOSTATIC DYSREGULATION] Furusho K, Muraishi K, Sato K, Noda C *Jpn J Clin Med* 32: 2907-18, Sep 74 (Jpn)
- [INSULIN SECRETION IN PATIENTS WITH CORONARY HEART DISEASE (AUTHORS TRANS.)] Schenk KE, Quabbe HJ, Bittner H, Sasse H, Schroder R *Klin Wochenschr* 52: 1053-9, 15 Nov 74 (Eng)
- EFFECT OF INTRAVENOUSLY ADMINISTERED GLUCOSE ON GLUCAGON AND INSULIN SECRETION DURING FAT ABSORPTION. Dobbs R, Faloona GR, Unger RH *Metabolism* 24: 69-75, Jan 75 (Eng)
- EFFECTS OF STREPTOZOTOCIN ON GLUCOSE METABOLISM, INSULIN RESPONSE, AND ADIPOSITY IN OB/OB MICE. Batchelor BR, Stern JS, Johnson PR, Mahler RJ *Metabolism* 24: 77-91, Jan 75 (Eng)
- INHIBITION OF SUCRASE BY TRIS IN RAT AND MAN, DEMONSTRATED BY ORAL LOADING TESTS WITH SUCROSE. Puls W, Keup U *Metabolism* 24: 93-8, Jan 75 (Eng)
- EPIDEMIOLOGY OF DIABETES MELLITUS. Beaven DW, Arcus AC, Bell JP, Smith JR *NZ Med J* 80: 291-9, 9 Oct 74 (Eng)
- [COMPARATIVE STUDY OF 2 METHODS OF PLASMA INSULIN RADIOIMMUNOASSAY. DOUBLE ANTIBODY AND SOLID PHASE METHODS] Orsetti A, Collard F *Pathol Biol (Paris)* 22: 771-3, Nov 74 (Fre)
- INSULIN-GLUCAGON SUBSTRATE INTERRELATIONS IN THE FETAL SHEEP. Fiser RH Jr, Erenberg A, Sperling MA, Oh W, Fisher DA *Pediatr Res* 8: 951-5, Dec 74 (Eng)
- ENDOGENOUS AND EXOGENOUS INSULIN RESPONSES IN PATIENTS WITH CYSTIC FIBROSIS. Wilmschurst EG, Soeldner JS, Holsclaw DS, Kaufmann RL, Shwachman H, Aoki TT, Gleason RE *Pediatrics* 55: 75-82, Jan 75 (Eng)
- CHANGES IN GLUCOSE TOLERANCE, INSULIN, SERUM LIPIDS AND LIPOPROTEINS IN PATIENTS WITH RENAL FAILURE ON INTERMITTENT HAEMODIALYSIS. Arora KK, Atkinson MK, Trafford JA, Sheldon J, Nunn R *Postgrad Med J* 49: 293-6, May 73 (Eng)
- [SOMATOTROPIC FUNCTION OF THE HYPOPHYSIS. TOLERANCE TESTS AS A METHOD OF EVALUATION OF THE SOMATOTROPIC FUNCTION OF THE HYPOPHYSIS] Sokolov IAA, Vasilenko VV, Fedotov VP *Probl Endokrinol (Mosk)* 20: 16-22, Sep-Oct 74 (Rus)
- SERUM INSULIN, GLUCOSE, AND FREE FATTY ACIDS IN THE COW AND FETUS DURING GESTATION. Grigsby JS, Oxender WD, Hafs HD, Britt DG, Merkel RA *Proc Soc Exp Biol Med* 147: 830-4, Dec 74 (Eng)
- ENDOCRINE ALTERATIONS IN DELIRIUM TREMENS. Dobrzanski T *Q J Stud Alcohol* 35: 1205-11, Dec 74 (Eng)
- MODELS OF BEHAVIOR AND THE HYPOTHALAMUS. de Ruiter L, Wiepema PR, Veening JG *Prog Brain Res* 41: 481-507, 1974 (Eng) [69]
- PARENTAL NUTRITION. Jarrett F *Prog Surg* 13: 125-37, 1974 (Eng) [30]
- EFFECT OF INTRAPANCREATIC ADMINISTRATION OF CALCIUM UPON GLUCAGON SECRETION IN DOGS. Ohneda A, Matsuda K, Horigome K, Ishii S, Yamagata S *Tohoku J Exp Med* 113: 301-11, Aug 74 (Eng)
- [INSULIN CONTENT IN THE BLOOD SERUM OF HEALTHY GIRLS AND THE INDICES OF PHYSICAL DEVELOPMENT] Morozova TP, Kolesov DV, Kasatkin IuN, Ametov AS, Smirnova LV *Ki Vopr Okhr Materin Det* 19: 49-51, Oct 74 (Rus)
- [BLOOD CONTENT OF IMMUNOREACTIVE INSULIN IN CHILDREN AND ADOLESCENTS WITH OBESITY] Livergant IuE, Dudenko NV, Krupchitskaia KI *Vopr Okhr Materin Det* 19: 51-4, Oct 74 (Rus)
- GENERAL METABOLIC RESPONSE TO TRAUMA INCLUDING PAIN INFLUENCE. Thoren L *Acta Anaesthesiol Scand [Suppl]* 9: 14, 1974 (Eng)
- LETTERS TO THE EDITOR: SERUM INSULIN AND GROWTH HORMONE AFTER KWASHIORKOR. Kajubi SK, Okel RM *Am J Clin Nutr* 27: 1200-1, Nov 74 (Eng)
- THE EFFECT OF PRACTOLOL ON CIRCULATORY RESPONSE AFTER SYMPATHETIC STIMULATION AND ON PLASMA GROWTH HORMONE AND INSULIN LEVELS. Svalahti E, Iisalo E, Leppanen O *Ann Clin Res* 6: 258-65, Oct 74 (Eng)
- SERUM GROWTH HORMONE (GH) AND INSULIN (IRI) AFTER ORAL GLUCOSE IN SUBJECTS WITH RENAL FAILURE. Viljanen MK, Noustainen R, Kasanen A, Frossstrom J *Ann Clin Res* 6: 266-71, Oct 74 (Eng)
- METABOLIC AND HORMONAL CHANGES DURING AND AFTER EXCHANGE TRANSFUSION WITH HEPARINIZED OR ACID BLOOD. Cser A *Arch Dis Child* 49: 940-5, Dec 74 (Eng)
- DIABETES MELLITUS—A MEMBRANE RECEPTOR DEFECT. Connelly PE, Turtle JR *Aust NZ J Med* 4: 228-36, Jan 74 (Eng)
- EFFECTS OF FRUCTOSE, SUCROSE AND GLUCOSE FEEDING ON PLASMA INSULIN CONCENTRATIONS AND ON ADIPOSE-TISSUE CLEARING-FACTOR LIPASE ACTIVITY IN THE RAT. Cryer A, Riley SE, Williams ER, Robinson DS *Biochem J* 140: 561-63, Jun 74 (Eng)

1.C.1.7 INSULIN, URINE

1.C.2 INSULIN, PHYSIOLOGY RELATED

1.C.2.1 INSULIN, PHYSIOLOGY

- POSSIBLE PARTICIPATION OF INSULIN IN THE CONTROL OF VASCULAR PERMEABILITY. Garcia-Leme J, Bohm GM, Migliorini RH, de Souza MZ *Eur J Pharmacol* 29: 298-306, Dec 74 (Eng)
- [MECHANISM OF THE DISORDER IN ERYTHROCYTE REGENERATION IN DEFICIENT INSULIN FORMATION] Vinichenko NS *Fiziol Zh* 20: 550-3, Jul-Aug 74 (Ukr)
- DIABETES IN CHILDHOOD. Stimmler L *Guys Hosp Rep* 122: 17-23, 1973 (Eng)
- MODE OF INSULIN ACTION. Kissebah AH, Tulloch BR, Hope-Gill H, Clarke PV, Vydellingum N, Fraser TR *Lancet* 1: 144-7, 18 Jan 75 (Eng)
- [ADAPTIVE IMPORTANCE OF GLUCONEOGENESIS IN HEALTHY AND DISEASED BODY (REVIEW)] Genes SG *Patol Fiziol Eksp Ter* 74-81, Nov-Dec 74 (Rus) [81]
- [INSULIN RECEPTORS AND MECHANISM OF THE ACTION OF INSULIN IN THE BODY] Staroseltseva LK *Probl Endokrinol (Mosk)* 20: 108-13, Sep-Oct 74 (Rus)

Diabetes Literature—Hierarchical Index

1.C INSULIN

[RESEARCH ON THE IMPROVEMENT OF BIGUANIDE TOLERANCE] Puch H *Sem Hop Ther* 50: 463-6, Sep-Oct 74 (Fre)

GLUCAGON AND THE PANCREAS, LIVER AND BILE DUCTS. Barbezat GO *S Afr J Surg* 12: 213-7, Dec 74 (Eng) [35]

IMMUNE INSULITIS AND MANIFEST DIABETES MELLITUS. STUDIES ON THE COURSE OF IMMUNE INSULITIS AND THE INDUCTION OF DIABETES MELLITUS IN RABBITS IMMUNIZED WITH INSULIN. Kloppe G, Altenahr E, Freytag G, Jansen FK *Virchows Arch [Pathol Anat]* 364: 333-46, 1974 (Eng)

HYPEROSMOLALITY AND TRAUMA. Hallberg D *Acta Anaesthesiol Scand [Suppl]* 21-7, 1974 (Eng)

NORMAL CARBOHYDRATE METABOLISM AND CARBOHYDRATE METABOLISM IN TRAUMA. Hultman E, Bergstrom J, Nilsson LH *Acta Anaesthesiol Scand [Suppl]* 28-49, 1974 (Eng)

1.C.2.2 INSULIN, SECRETION

[STIMULATION BY THYROTROPIN OF THYROIDAL CALCIUM MOBILIZATION] Rodesch F, Bogaert C, Dumont JE *C R Acad Sci [D] (Paris)* 278: 931-4, 11 Feb 74 (Fre)

THE ACTION OF ANTIBIOTICS ON ENZYME SECRETION IN YEASTS: STUDIES WITH CYTOCHALASIN A. Kuo SC, Lampen JO *Ann NY Acad Sci* 235: 137-48, 10 May 74 (Eng)

EFFECT OF SPLANCHNIC NERVE STIMULATION ON GLUCAGON AND INSULIN OUTPUT IN THE DOG. Kaneto A, Kajinuma H, Kosaka K *Endocrinology* 96: 143-50, Jan 75 (Eng)

INTERACTION OF AMINO ACIDS AND CYCLIC AMP ON THE RELEASE OF INSULIN AND GLUCAGON BY NEWBORN RAT PANCREAS. Jarrousse C, Rosselin G *Endocrinology* 96: 168-77, Jan 75 (Eng)

ENZYME-INDUCED MODIFICATIONS OF BETA CELL FUNCTION. I. EFFECT OF PRONASE ON INSULIN SECRETION. Lambert AE, Henquin JC, Orci L, Renold AE *Eur J Clin Invest* 4: 459-68, 5 Dec 74 (Eng)

INHIBITION OF GLUCAGON SECRETION BY GLUCOSE AND GLYCERALDEHYDE ON ISOLATED ISLETS OF WISTAR RATS. Hahn HJ, Ziegler M, Mohr E *FEBS Lett* 49: 100-2, 1 Dec 74 (Eng)

THE IMMEDIATE INSULIN SECRETORY RESPONSE OF THE ISOLATED PERFUSED RAT PANCREAS TO TOLBUTAMIDE AND GLUCOSE. Lenzen S *FEBS Lett* 49: 407-8, 1 Jan 75 (Eng)

SIGNIFICANCE OF ACID AMYLOGLYCOSIDASE IN SULPHONYLUREA-INDUCED INSULIN RELEASE. Lundquist I *Diabetologia* 10: 717-24, Dec 74 (Eng)

THE DEVELOPMENT OF DIABETES FOLLOWING COXSACKIE B VIRUS INFECTION IN MICE. Coleman TJ, Taylor KW, Gamble DR *Diabetologia* 10: 755-9, Dec 74 (Eng)

FAILURE OF 6-AMINONICOTINAMIDE TO INHIBIT THE POTENTIATING EFFECT OF LEUCINE AND ARGININE ON GLUCOSE-INDUCED INSULIN RELEASE IN VITRO. MacDonald MJ, Ammon HP, Patel T, Steinke J *Diabetologia* 10: 761-5, Dec 74 (Eng)

EFFECT OF CHOLERA TOXIN ON INSULIN RELEASE IN MONOLAYER CULTURES OF THE ENDOCRINE PANCREAS. Wolheim CB, Blondel B, Sharp GW *Diabetologia* 10: 783-7, Dec 74 (Eng)

CATIONIC ENVIRONMENT AND DYNAMICS OF INSULIN SECRETION. III. EFFECT OF THE ABSENCE OF POTASSIUM. Henquin JC, Lambert AE *Diabetologia* 10: 789-94, Dec 74 (Eng)

THE EFFECT OF GLUCOSE ANOMERS UPON INSULIN AND GLUCAGON SECRETION. Rosini AA, Soeldner JS, Hiebert JM, Weir GC, Gleason RE *Diabetologia* 10: 795-9, Dec 74 (Eng)

ELECTRON MICROSCOPE STUDIES ON THE GRANULE RELEASE FROM THE RAT PANCREATIC B-CELLS IN ORGAN CULTURE. Fukuma M *J Electron Microsc (Tokyo)* 23: 167-83, 1974 (Eng)

[CAUSES AND EFFECTS OF HYPERACTIVITY OF THE SYMPATHICO-ADRENAL SYSTEM IN ACUTE MYOCARDIAL INFARCT] Oganov RG, Vinogradova IV, Aleksandrov AA *Kardiologia* 14: 140-50, Oct 74 (Rus) [146]

[INSULIN SECRETION IN PATIENTS WITH CORONARY HEART DISEASE (AUTHORS TRANSL)] Schenk KE, Ouabbe HJ, Bittner H, Sasse H, Schroder R *Klin Wochenschr* 52: 1053-9, 15 Nov 74 (Eng)

MODEL FOR EXTRUSION OF INSULIN BETA GRANULES. Lazarus NR, Davis B *Lancet* 1: 143-4, 18 Jan 75 (Eng)

EFFECTS OF STREPTOZOTOCIN ON GLUCOSE METABOLISM, INSULIN RESPONSE, AND ADIPOSIT Y IN OB/OB MICE. Batchelor BR, Stern JS, Johnson PR, Mahler RJ *Metabolism* 24: 77-91, Jan 75 (Eng)

EPIDEMIOLOGY OF DIABETES MELLITUS. Beaven DW, Arcus AC, Bell JP, Smith JR *NZ Med J* 80: 291-9, 9 Oct 74 (Eng)

INSULIN-GLUCAGON SUBSTRATE INTERRELATIONS IN THE FETAL SHEEP. Fiser RH Jr, Erenberg A, Sperling MA, Oh W, Fisher DA *Pediatr Res* 8: 951-5, Dec 74 (Eng)

MACROGLOSSIA, TRANSIENT NEONATAL DIABETES MELLITUS AND INTRAUTERINE GROWTH FAILURE: A NEW DISTINCT ENTITY. Dacou-Voutetakis C, Anagnostakis D, Xanthou M *Pediatrics* 55: 127-31, Jan 75 (Eng)

ENDOGENOUS AND EXOGENOUS INSULIN RESPONSES IN PATIENTS WITH CYSTIC FIBROSIS. Wilmshurst EG, Soeldner JS, Holsclaw DS, Kaufmann RL, Shwachman H, Aoki TT, Gleason RE *Pediatrics* 55: 75-82, Jan 75 (Eng)

THE EFFECT OF A LOW-CALORIE DIET WITH AND WITHOUT FENFLURAMINE, AND FENFLURAMINE ALONE ON THE GLUCOSE TOLERANCE AND INSULIN SECRETION OF OVERWEIGHT NON-DIABETICS. Dykes JR *Postgrad Med J* 49: 314-7, May 73 (Eng)

THE EFFECT OF A LOW-CALORIE DIET WITH AND WITHOUT FENFLURAMINE ON THE GLUCOSE TOLERANCE AND INSULIN SECRETION OF OBESE MATURITY-ONSET DIABETICS. Dykes JR *Postgrad Med J* 49: 318-24, May 73 (Eng)

POSTTRAUMATIC REGULATION OF INSULIN SECRETION IN ADAPTED RATS. Vigas M, Nemeth S, Jurcovicova J *J Physiol Bohemoslov* 23: 245-9, 1974 (Eng)

VESICULAR BINESIS: GLUCOSE EFFECT ON INSULIN SECRETORY VESICLES. Gabbay KH, Korff J, Schneeberger EE *Science* 187: 177-9, 17 Jan 75 (Eng)

[TOWARDS A BETTER KNOWLEDGE OF THE ACTION MECHANISM OF THERMAL SODIUM BICARBONATE THERAPY AT VALS-LES-BAINS IN DIABETES] Alland A, Vague P *Sem Hop Ther* 50: 291-5, Apr 74 (Fre)

DIABETES MELLITUS—A MEMBRANE RECEPTOR DEFECT. Connelly PE, Turtle JR *Aust NZ J Med* 4: 228-36, Jun 74 (Eng)

LONG-TERM EFFECTS OF GLUCOSE ON INSULIN RELEASE AND GLUCOSE OXIDATION BY MOUSE PANCREATIC ISLETS MAINTAINED IN TISSUE CULTURE. Andersson A *Biochem J* 140: 377-82, Jun 74 (Eng)

THE EFFECT OF STARVATION ON INSULIN SECRETION AND GLUCOSE METABOLISM IN MOUSE PANCREATIC ISLETS. Hedeskov CJ, Capito K *Biochem J* 140: 423-33, Jun 74 (Eng)

CYTOTOXIC EFFECTS OF STREPTOZOTOCIN AND N-NITROSOMETHYLUREA ON THE PANCREATIC B CELLS WITH SPECIAL REGARD TO THE ROLE OF NICOTINAMIDE-ADENINE DINUCLEOTIDE. Gunnarsson R, Berne C, Hellerstrom C *Biochem J* 140: 487-94, Jun 74 (Eng)

EFFECTS OF FRUCTOSE, SUCROSE AND GLUCOSE FEEDING ON PLASMA INSULIN CONCENTRATIONS AND ON ADIPOSE-TISSUE CLEARING-FACTOR LIPIASE ACTIVITY IN THE RAT. Cryer A, Riley SE, Williams ER, Robinson DS *Biochem J* 140: 561-63, Jun 74 (Eng)

1.C.3 INSULIN, PHARMACOLOGY RELATED

1.C.3.1 INSULIN, PHARMACODYNAMICS

PROCEEDINGS: EFFECT OF THE (MINUS)- AND (PLUS)-ISOMERS OF FENFLURAMINE AND NORFENFLURAMINE ON GLUCOSE UPTAKE BY THE ISOLATED RAT HEMIDIAPHRAGM. Kirby MJ, Turner P *Br J Pharmacol* 51: 120p-121p, May 74 (Eng)

[MECHANISM OF ACTION OF OUABAIN ON CARBOHYDRATE TRANSPORT IN FROG SKELETAL MUSCLES] Nikolskii NN, Skopicheva VI, Troshin AS *Dokl Akad Nauk SSSR* 219: 1231-4, 1974 (Rus)

DIFFERENT MECHANISMS IN TESTOSTERONE ACTION ON GLYCOGEN METABOLISM IN RAT PERINEAL AND SKELETAL MUSCLES. Bergamini E *Endocrinology* 96: 77-84, Jan 75 (Eng)

INCORPORATION RATE OF LEUCINE INTO PROTEINS IN HUMAN LIVER SLICES. Stakeberg H, Gustafson A, Schersten T *Eur J Clin Invest* 4: 393-8, 5 Dec 74 (Eng)

THE INFLUENCE OF BODY WEIGHT AND CELL SIZE ON LIPOGENESIS AND LIPOLYSIS OF ISOLATED RAT FAT CELLS. Hansen FM, Nielsen JH, Gliemann J *Eur J Clin Invest* 4: 411-8, 5 Dec 74 (Eng)

EFFECT OF INSULIN UPON RENAL AMINO ACID TRANSPORT IN LAMBS. Scharer E, Landes C, Scholl H *Experientia* 30: 1416-8, 15 Dec 74 (Eng)

EFFECTS OF HORMONES ON CYCLIC AMP RELEASE FROM RAT ADIPOSE TISSUE IN VITRO. Zumstein P, Zapf J, Froesch ER *FEBS Lett* 49: 65-9, 1 Dec 74 (Eng)

[TOTAL SYNTHESIS OF HUMAN INSULIN UNDER DIRECTED FORMATION OF THE DISULFIDE BONDS] Sieber P, Kamber B, Hartmann A, Johl A, Riniker B, Rittel W *Helv Chim Acta* 57: 2617-21, 1974 (Ger)

GROWTH CONTROL IN PRIMARY FETAL RAT LIVER CELLS IN CULTURE. Paul D, Walter S *J Cell Physiol* 85: 113-23, Feb 75 (Eng)

Diabetes Literature—Hierarchical Index

1.D GLUCAGON

PROCEEDINGS: INSULIN AND TESTOSTERONE RESPONSES IN CULTURED PROSTATE. Fuller DJ, Coleshill SM, Chan KM, Thomas GH *J Endocrinol* 63: 59p, Nov 74 (Eng)

INFLUENCE OF INSULIN ON SENSITIVITY TO TETRODOTOXIN OF ISOLATED CHICK EMBRYO HEART CELLS IN CULTURE. Le Douarin G, Renaud JF, Renaud D, Coraboeuf E *J Mol Cell Cardiol* 6: 523-9, Dec 74 (Eng)

EFFECT OF LIPIDS ON GLUCAGON SECRETION IN MAN. Andrews SS, Lopez-S A, Blackard WG *Metabolism* 24: 35-44, Jan 75 (Eng)

COMPETITION BETWEEN PHLORIZIN AND GOLD THIOLGLUCOSE FOR GLUCORECEPTOR CELL TRANSPORT MECHANISMS IN THE HYPOTHALAMUS. Anonymous *Nutr Rev* 33: 23-5, Jan 75 (Eng) [5]

KININS AND HYPOGLYCEMIC CONVULSIONS. Wisniewski K, Mackiewicz W *Pol J Pharmacol Pharm* 26: 611-5, Jul-Aug 74 (Eng)

[INSULIN RECEPTORS AND MECHANISM OF THE ACTION OF INSULIN IN THE BODY] Staroseltseva LK *Probl Endokrinol (Mosk)* 20: 108-13, Sep-Oct 74 (Rus)

[THE FACTORS WHICH START THE REBOUND PHENOMENON IN THE SERUM FFA FOLLOWING INSULIN ADMINISTRATION] Bostanci N *Turk Tip Cemiy Mecm* 36: 185-97, 1970 (Tur)

EFFECTS OF INSULIN, TRIIODOTHYRONINE AND CORTICOSTERONE ON ORGAN CULTURES OF THE ADULT RAT CEREBELLUM. Kiernan JA *Acta Neuropathol (Berl)* 30: 25-31, 1974 (Eng)

THE ABILITY OF VARIOUS INSULINS AND INSULIN FRAGMENTS TO INHIBIT THE ANGIOTENSIN I CONVERTING ENZYME. Bing J, Poulsen K, Markussen J *Acta Pathol Microbiol Scand [A]* 82: 777-82, Nov 74 (Eng)

REGULATION OF FIBROBLAST GROWTH IN CULTURE. Armelin HA, Armelin MC *Biochem Biophys Res Commun* 62: 260-7, 20 Jan 75 (Eng)

AN IN VIVO INSULIN EFFECT ON HEPATOCYTE CHROMATIN DETERMINED BY DNA-RNA HYBRIDIZATION. Drake RL, Morgan CR *Biochem Biophys Res Commun* 62: 342-9, 20 Jan 75 (Eng)

ADRENAL MEDULLARY STORAGE VESICLES OF THE SPONTANEOUSLY HYPERTENSIVE RAT. Slotkin TA, Green HO *Biochem Pharmacol* 24: 173-80, 15 Jan 75 (Eng)

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DIABETES MELLITUS—A MEMBRANE RECEPTOR DEFECT. Connelly PE, Turtle JR *Aust NZ J Med* 4: 228-36, Jun 74 (Eng)

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KININS AND HYPOGLYCEMIC CONVULSIONS. Wisniewski K, Mackiewicz W *Pol J Pharmacol Pharm* 26: 611-5, Jul-Aug 74 (Eng)

1.C.4 HYPERINSULINISM

HYPOGLYCEMIA: A PERSPECTIVE. Berger H *Can Med Assoc J* 112: 81-5, 8 Feb 75 (Eng)

THE EFFECTS OF HIGH CARBOHYDRATE DIETS ON HYPERINSULINEMIC MONKEYS (MACACA MULATTA). Hamilton CL, Kuo PT, Feng L *J Med Primatol* 3: 276-84, 1974 (Eng)

1.C.4.1 INSULIN COMA

1.C.5 INSULIN ANTIBODIES

[ACUTE DIABETIC SYNDROME INDUCED IN RATS BY ANTI-INSULIN SERUM AS AN EXPERIMENTAL MODEL FOR THE STUDY OF SOME ANTIDIABETIC EFFECTS] Andreev D, Strashimirov S, Ditsov GD *Eksp Med Morfol* 13: 95-101, 1974 (Bul)

THE CLINICAL SIGNIFICANCE OF HIGHLY PURIFIED PIG-INSULIN PREPARATIONS. Deckert T, Andersen OO, Poulsen JE *Diabetologia* 10: 703-8, Dec 74 (Eng)

ENZYMES OF CARBOHYDRATE AND FAT METABOLISM IN ANTI-INSULIN SERUM DIABETES; INACTIVATION BY FREE FATTY ACIDS AND THE PROTECTIVE EFFECT OF CELLULAR PROTEIN. Shafrir E, Ruderman NB *Diabetologia* 10: 731-42, Dec 74 (Eng)

EFFECTS OF GLUCOSE ON THE ULTRASTRUCTURE AND INSULIN BIOSYNTHESIS OF ISOLATED MOUSE PANCREATIC ISLETS MAINTAINED IN TISSUE CULTURE. Andersson A, Westman J, Hellerstrom C *Diabetologia* 10: 743-53, Dec 74 (Eng)

[ANTIBODIES AGAINST THERAPEUTIC ANIMAL INSULINS AND HOMOLOGOUS PROTEINS IN THE COURSE OF DIABETES IN CHILDREN AND ADOLESCENTS] Karczewska K *Med Dosw Mikrobiol* 26: 317-24, 1974 (Pol)

[INSULIN ANTIBODIES AND THE ACTUAL INSULIN REQUIREMENTS IN CHILDREN AND ADOLESCENTS WITH PRIMARY DIABETES] Karczewska K, Felus E, Panek G, Otto-Buczowska E, Dudziak Z *Med Dosw Mikrobiol* 26: 325-30, 1974 (Pol)

EFFECTS OF STREPTOZOTOCIN ON GLUCOSE METABOLISM, INSULIN RESPONSE, AND ADIPOSITY IN OB/OB MICE. Batchelor BR, Stern JS, Johnson PR, Mahler RJ *Metabolism* 24: 77-91, Jan 75 (Eng)

IMMUNE INSULITIS AND MANIFEST DIABETES MELLITUS. STUDIES ON THE COURSE OF IMMUNE INSULITIS AND THE INDUCTION OF DIABETES MELLITUS IN RABBITS IMMUNIZED WITH INSULIN. Kloppe G, Altenahr E, Freytag G, Jansen FK *Virchows Arch [Pathol Anat]* 364: 333-46, 1974 (Eng)

[BLOOD CONTENT OF IMMUNOREACTIVE INSULIN IN CHILDREN AND ADOLESCENTS WITH OBESITY] Livergant IuE, Dudenko NV, Krupchitskaia KI *Vopr Okhr Materin Det* 19: 51-4, Oct 74 (Rus)

DIABETES MELLITUS—A MEMBRANE RECEPTOR DEFECT. Connelly PE, Turtle JR *Aust NZ J Med* 4: 228-36, Jun 74 (Eng)

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[ANTIBODIES AGAINST THERAPEUTIC ANIMAL INSULINS AND HOMOLOGOUS

PROTEINS IN THE COURSE OF DIABETES IN CHILDREN AND ADOLESCENTS] Karczewska K *Med Dosw Mikrobiol* 26: 317-24, 1974 (Pol)

[INSULIN ANTIBODIES AND THE ACTUAL INSULIN REQUIREMENTS IN CHILDREN AND ADOLESCENTS WITH PRIMARY DIABETES] Karczewska K, Felus E, Panek G, Otto-Buczowska E, Dudziak Z *Med Dosw Mikrobiol* 26: 325-30, 1974 (Pol)

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DEFECTIVE GROWTH HORMONE SECRETION IN PRIMARY MICROCEPHALY. Dacou-Voutetakis C, Karpathios T, Logothetis N, Constantinidis M, Matsaniotis N, Michalopoulos E *J Pediatr* 85: 498-502, Oct 74 (Eng)

LETTER: DOPAMINE-BETA-HYDROXYLASE AND SYMPATHO-ADRENAL ACTIVITY. Goodwin PM, Harrop J, Marks V *Lancet* 1: 170-1, 18 Jan 75 (Eng)

ENDOGENOUS AND EXOGENOUS INSULIN RESPONSES IN PATIENTS WITH CYSTIC FIBROSIS. Wilmshurst EG, Soeldner JS, Holsclaw DS, Kaufmann RL, Shwachman H, Aoki TT, Gleason RE *Pediatrics* 55: 75-82, Jan 75 (Eng)

[RESULTS OF THE STUDY OF SOMATOTROPIC FUNCTION OF THE HYPOPHYSIS WITH THE AID OF INSULIN TOLERANCE TEST IN PATIENTS WITH HYPOGONADISM] Nekrasova LV, Sokolov IaA, Marova EI *Probl Endokrinol (Mosk)* 20: 31-6, Sep-Oct 74 (Rus)

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SOMATOSTATIN INHIBITS INSULIN AND GLUCAGON RELEASE BY MONOLAYER CELL CULTURES OF RAT ENDOCRINE PANCREAS. Fujimoto WY, Ensink JW, Williams RH *Life Sci* 15: 1999-2004, 1 Dec 74 (Eng)

GLUCAGON AND THE PANCREAS, LIVER AND BILE DUCTS. Barbezat GO *S Afr J Surg* 12: 213-7, Dec 74 (Eng) [35]

TRAUMA: HORMONAL FACTORS WITH SPECIAL REFERENCE TO DIABETES MELLITUS. Efendic S, Cerasi E, Luft R *Acta Anaesthesiol Scand [Suppl]* 107-19, 1974 (Eng)

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EFFECT OF SPLANCHNIC NERVE STIMULATION ON GLUCAGON AND INSULIN OUTPUT IN THE DOG. Kaneto A, Kajinuma H, Kosaka K *Endocrinology* 96: 143-50, Jan 75 (Eng)

GLUCAGON AND PLASMA CATECHOLAMINE RESPONSES TO GRADED AND PROLONGED EXERCISE IN MAN. Galbo H, Holst JJ, Christensen NJ *J Appl Physiol* 38: 70-6, Jan 75 (Eng)

EFFECT OF LIPIDS ON GLUCAGON SECRETION IN MAN. Andrews SS, Lopez-S A, Blackard WG *Metabolism* 24: 35-44, Jan 75 (Eng)

EFFECT OF INTRAVENOUSLY ADMINISTERED GLUCOSE ON GLUCAGON AND INSULIN SECRETION DURING FAT ABSORPTION. Dobbs R, Faloon GR, Unger RH *Metabolism* 24: 69-75, Jan 75 (Eng)

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GLUCAGON AND THE PANCREAS, LIVER AND BILE DUCTS. Barbezat GO *S Afr J Surg* 12: 213-7, Dec 74 (Eng) [35]

EFFECT OF INTRAPANCREATIC ADMINISTRATION OF CALCIUM UPON GLUCAGON SECRETION IN DOGS. Ohneda A, Matsuda K, Horigome K, Ishii S, Yamagata S *Tohoku J Exp Med* 113: 301-11, Aug 74 (Eng)

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GLUCAGON AND THE PANCREAS, LIVER AND BILE DUCTS. Barbezat GO *S Afr J Surg* 12: 213-7, Dec 74 (Eng) [35]

NORMAL CARBOHYDRATE METABOLISM AND CARBOHYDRATE METABOLISM IN TRAUMA. Hultman E, Bergstrom J, Nilsson LH *Acta Anaesthesiol Scand [Suppl]* 28-49, 1974 (Eng)

1.D.2.2 GLUCAGON, SECRETION

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INTERACTION OF AMINO ACIDS AND CYCLIC AMP ON THE RELEASE OF INSULIN AND GLUCAGON BY NEWBORN RAT PANCREAS. Jarrouse C, Rosselin G *Endocrinology* 96: 168-77, Jan 75 (Eng)

INHIBITION OF GLUCAGON SECRETION BY GLUCOSE AND GLYCERALDEHYDE ON ISOLATED ISLETS OF WISTAR RATS. Hahn HJ, Ziegler M, Mohr E *FEBS Lett* 49: 100-2, 1 Dec 74 (Eng)

THE EFFECT OF GLUCOSE ANOMERS UPON INSULIN AND GLUCAGON SECRETION. Rossini AA, Soeldner JS, Hiebert JM, Weir GC, Gleason RE *Diabetologia* 10: 795-9, Dec 74 (Eng)

DECREASED GLUCAGON ACTIVITY: A MECHANISM FOR GENETIC AND ACQUIRED ENDOGENOUS HYPERLIPIDEMIA. Eaton RP, Schade DS, Conway M *Lancet* 2: 1545-7, 28 Dec 74 (Eng)

WHATS NEW FOR DIABETES Burman KD *Med Times* 103: 123-4, 126, 128 passim, Jan 75 (Eng)

INSULIN-GLUCAGON SUBSTRATE INTERRELATIONS IN THE FETAL SHEEP. Fiser RH Jr, Erenberg A, Sperling MA, Oh W, Fisher DA *Pediatr Res* 8: 951-5, Dec 74 (Eng)

EFFECT OF INTRAPANCREATIC ADMINISTRATION OF CALCIUM UPON GLUCAGON SECRETION IN DOGS. Ohneda A, Matsuda K, Horigome K, Ishii S, Yamagata S *Tohoku J Exp Med* 113: 301-11, Aug 74 (Eng)

[INTESTINAL HORMONES IN DIABETES] Tsvetanov L *Vutr Boles* 13: 1-6, 1974 (Bul) [40]

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INFLUENCE OF GLUCAGON ON CANALICULAR BILE PRODUCTION IN THE DOG. Khedisi A, Dumont M, Duval M, Erlinger S *Biomedicine [Express]* 21: 176-81, 10 Apr 74 (Eng)

[STUDY OF CATECHOLAMINE EXCRETION AFTER SINGLE ADMINISTRATION OF GLUCAGON IN DIABETICS (AUTHORS TRANSL.)] Razus M, Balazovjeh I, Kratochvilova H *Bratisl Lek Listy* 62: 701-10, Dec 74 (Slo)

CAGON IN DIABETICS (AUTHORS TRANSL.)] Razus M, Balazovjeh I, Kratochvilova H *Bratisl Lek Listy* 62: 701-10, Dec 74 (Slo)

HEMODYNAMIC DRUG INTERACTIONS. Nies AS, Shand DG, Branch RA *Cardiovasc Clin* 6: 43-53, 1974 (Eng) [13]

THE INFLUENCE OF BODY WEIGHT AND CELL SIZE ON LIPOGENESIS AND LIPOLYSIS OF ISOLATED RAT FAT CELLS. Hansen FM, Nielsen JH, Gliemann J *Eur J Clin Invest* 4: 411-8, 5 Dec 74 (Eng)

EFFECT OF INSULIN UPON RENAL AMINO ACID TRANSPORT IN LAMBS. Scharrer E, Landes C, Scholl H *Experientia* 30: 1416-8, 15 Dec 74 (Eng)

EFFECTS OF HORMONES ON CYCLIC AMP RELEASE FROM RAT ADIPOSE TISSUE IN VITRO. Zumstein P, Zapf J, Froesch ER *FEBS Lett* 49: 65-9, 1 Dec 74 (Eng)

INSULIN SECRETORY RESPONSE OF DIABETICS DURING THE PERIOD OF IMPROVEMENT OF GLUCOSE TOLERANCE TO NORMAL RANGE. Kosaka K, Hagura R, Kuzuya T, Kuzuya N *Diabetologia* 10: 775-82, Dec 74 (Eng)

EFFECT OF CHOLERA TOXIN ON INSULIN RELEASE IN MONOLAYER CULTURES OF THE ENDOCRINE PANCREAS. Wollheim CB, Blondel B, Sharp GW *Diabetologia* 10: 783-7, Dec 74 (Eng)

GROWTH CONTROL IN PRIMARY FETAL RAT LIVER CELLS IN CULTURE. Paul D, Walter S *J Cell Physiol* 85: 113-23, Feb 75 (Eng)

[QUANTITATIVE STUDIES OF THE EFFECT OF PANCREATIC GLUCAGON AND SECRETIN ON GASTROINTESTINAL MOTILITY IN MAN RECORDED BY SIMULTANEOUS ELECTRO-MANOMETRIC REGISTRATION (AUTHORS TRANSL.)] Paul F *Klin Wochenschr* 52: 983-9, 15 Oct 74 (Ger)

EFFECTS OF GLUCAGON UPON RAT LIVER MITOCHONDRIA IN VIVO. Williams JN Jr, Thorp SL *Proc Soc Exp Biol Med* 147: 803-6, Dec 74 (Eng)

[EFFECT OF GLUCAGON ON THE MUSCUL TONE OF THE DUODENAL WALL. RADIOLOGICAL USEFULNESS] Silvan Delgado M, Juan Pedro G, Gonzalez Tutor A, Fernandez Echevarria MA *Rev Esp Enferm Apar Dig* 44: 797-810, 15 Dec 74 (Spa)

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GLUCAGON AND THE PANCREAS, LIVER AND BILE DUCTS. Barbezat GO *S Afr J Surg* 12: 213-7, Dec 74 (Eng) [35]

[THE FACTORS WHICH START THE REBOUND PHENOMENON IN THE SERUM FFA FOLLOWING INSULIN ADMINISTRATION] Bostanci N *Turk Tip Cemiy Mecm* 36: 185-97, 1970 (Tur)

DIABETES MELLITUS--A MEMBRANE RECEPTOR DEFECT. Connelly PE, Turtle JR *Aust NZ J Med* 4: 228-36, Jun 74 (Eng)

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PATHOMORPHOLOGIC, BIOCHEMICAL, AND DIAGNOSTIC ASPECTS OF GASTRINOMAS (ZOLLINGER-ELLISON SYNDROME). Creutzfeldt W, Arnold R, Creutzfeldt C, Track NS *Hum Pathol* 6: 47-76, Jan 75 (Eng)

THE GLUCAGON INFUSION TEST AND GROWTH HORMONE SECRETION. Avruskin TW, Tang SC, Juan CS *J Pediatr* 86: 102-6, Jan 75 (Eng)

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GLUCAGON AND THE PANCREAS, LIVER AND BILE DUCTS. Barbezat GO *S Afr J Surg* 12: 213-7, Dec 74 (Eng) [35]

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[CONCEPT OF PLATELET RELEASE REACTION. I. INDUCTORS, INHIBITORS AND ENERGETIC BALANCE. (COMPREHENSIVE REVIEW)] Kubisz P *Vnitř Lek* 20: 782-90, Sep 74 (Slo)

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A SUBMAXIMAL TEST FOR DOGS: EVALUATION OF EFFECTS OF TRAINING, DETRAINING, AND CAGE CONFINEMENT. Tipton CM, Carey RA, Eastin WC, Erickson HH *J Appl Physiol* 37: 271-5, Aug 74 (Eng)

A VERSATILE MINIDISC MODULE FOR A CENTRIFUGAL ANALYZER. Renoe BW, Gregory RP 4th, Avery J, Malmstadt HV *Clin Chem* 20: 955-60, Aug 74 (Eng)

BLOOD CHARACTERISTICS OF THE HOLSTEIN CALF RELEVANT IN CARDIOPULMONARY STUDIES. Nelson JH, Ekins DS, Allen SD *J Appl Physiol* 37: 145-51, Aug 74 (Eng)

BOVINE KETOSIS. II. THERAPY AND BIOLOGICAL FACTORS OF SIGNIFICANCE FOR RECOVERY. Jonsgaard K, Hansen MA, Sognen E, Overby I *Nord Vet Med* 26: 362-9, Jun 74 (Eng)

BOVINE KETOSIS: A REVIEW WITH RECOMMENDATIONS FOR CONTROL AND TREATMENT. Baird GD, Heitzman RJ, Hibbitt KG, Hunter GD *Br Vet J* 130: 214-20, May-Jun 74 (Eng) [20]

COMPARISON OF PHARMACOLOGICAL RESPONSES TO NICOTINE AND RELEASE OF CATECHOLAMINES FROM THE ADRENALS IN DOGS AND MONKEYS. Tsujimoto A, Nishikawa T, Doi T, Kojima S *Eur J Pharmacol* 26: 236-42, May 74 (Eng)

INCORPORATION OF A HIGH-SPEED DECIMAL DATA PROCESSOR INTO A CENTRIFUGAL ANALYZER. Gregory RP 4th, Avery J, Renoe BW, Dryden PC, Malmstadt HV *Clin Chem* 20: 950-4, Aug 74 (Eng)

INFLUENCE OF ETHER ANAESTHESIA ON SUXAMETHONIUM-INDUCED HYPERKALAEMIA. Magbagbeola JA, Adadevoh BK, Durowoju JE *Anaesthesia* 29: 429-34, Jul 74 (Eng)

MECHANISMS OF HYPOTHERMIC PROTECTION AGAINST ANOXIA. Miller JA Jr, Miller FS *Adv Exp Med Biol* 33: 571-86, 1972 (Eng)

MULTIPHASIC SCREENING PROGRAMME FOR SOMATIC DISEASES AMONG ELDERLY LONG-TERM PSYCHIATRIC PATIENTS. Gjesdal K, Stromme JH *Br J Psychiatry* 124: 564-72, Jun 74 (Eng)

OPTIMIZATION AND ANALYTICAL APPLICATIONS OF THE TECHNIQUE DYNAMIC INTRODUCTION OF LIQUIDS INTO CENTRIFUGAL ANALYZERS. Burtis CA, Johnson WF, Overton JB, Tiffany TO, Mailen JC *Clin Chem* 20: 932-41, Aug 74 (Eng)

THE EFFECT OF MONOAMINE OXIDASE INHIBITORS ON THE RECTAL TEMPERATURE OF THE RAT. Summers RJ *J Pharm Pharmacol* 26: 335-43, May 74 (Eng)

THE IN VIVO LOCALIZATION OF HIGH-AFFINITY PHLORIZIN RECEPTORS TO THE BRUSH BORDER SURFACE OF THE PROXIMAL TUBULE IN DOG KIDNEY. Silverman M *Biochim Biophys Acta* 339: 92-102, 26 Feb 74 (Eng)

INFLUENCE OF GLUCAGON ON CANALICULAR BILE PRODUCTION IN THE DOG. Khedisi A, Dumont M, Duval M, Erlinger S *Biomedicine [Express]* 21: 176-81, 10 Apr 74 (Eng)

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ACROMEGALY: EFFECTS ON PITUITARY AND PANCREATIC HORMONES. Besser GM, Mortimer CH, McNeilly AS, Thorner MO, Batistoni GA, Bloom SR, Kastrop KW, Hanssen KF, Hall R, Coy DH, Kastin AJ, Schally AV *Br Med J* 4: 622-7, 14 Dec 74 (Eng)

A METHOD FOR THE EPIDEMIOLOGIC STUDY OF EARLY DIABETES. Rand CG, Jackson RJ, Mackie CC *Can Med Assoc J* 111: 1312-4, 21 Dec 74 (Eng)

ALTERATION OF METABOLIC AND HORMONAL RESPONSES TO EXERCISE BY PHYSICAL TRAINING. Rennie MJ, Johnson RH *Eur J Appl Physiol* 33: 215-26, 1974 (Eng)

DIABETES IN CHILDHOOD. Stimmeler L *Guys Hosp Rep* 122: 17-23, 1973 (Eng)

GLUCAGON AND PLASMA CATECHOLAMINE RESPONSES TO GRADED AND PROLONGED EXERCISE IN MAN. Galbo H, Holst JJ, Christensen NJ *J Appl Physiol* 38: 70-6, Jan 75 (Eng)

FACTORS INFLUENCING THE PROGNOSIS OF VASCULAR DISEASE IN INSULIN-DEFICIENT DIABETES OF LONG DURATION: A SEVEN-YEAR FOLLOW-UP. Martin FI, Warne GL *Metabolism* 24: 1-9, Jan 75 (Eng)

EFFECT OF LIPIDS ON GLUCAGON SECRETION IN MAN. Andrews SS, Lopez-S A, Blackard WG *Metabolism* 24: 35-44, Jan 75 (Eng)

EFFECT OF INTRAVENOUSLY ADMINISTERED GLUCOSE ON GLUCAGON AND INSULIN SECRETION DURING FAT ABSORPTION. Dobbs R, Faloona GR, Unger RH *Metabolism* 24: 69-75, Jan 75 (Eng)

INHIBITION OF SUCRASE BY TRIS IN RAT AND MAN, DEMONSTRATED BY ORAL LOADING TESTS WITH SUCROSE. Puls W, Keup U *Metabolism* 24: 93-8, Jan 75 (Eng)

[HYPEROSMOLAR COMA] Stumpe KO, Kruck F *Med Klin* 69: 2051-62, 13 Dec 74 (Ger) [41]

PHYSIOLOGICAL CONTROL OF GROWTH HORMONE IN THE RABBIT. McIntyre HB, Odell WD *Neuroendocrinology* 16: 8-21, 1974 (Eng)

[THE ROLE OF ZINC BLOCKADE IN THE PATHOGENESIS OF DITHIZONE-INDUCED DIABETES] Lazaris laA, Meiravov GG *Probl Endokrinol (Mosk)* 20: 90-4, Sep-Oct 74 (Rus)

SERUM INSULIN, GLUCOSE, AND FREE FATTY ACIDS IN THE COW AND FETUS DURING GESTATION. Grigsby JS, Oxender WD, Hafs HD, Britt DG, Merkel RA *Proc Soc Exp Biol Med* 147: 830-4, Dec 74 (Eng)

POSTTRAUMATIC REGULATION OF INSULIN SECRETION IN ADAPTED RATS. Vigas M, Nemeth S, Jurcovicova J *Physiol Bohemoslov* 23: 245-9, 1974 (Eng)

MODELS OF BEHAVIOR AND THE HYPOTHALAMUS. de Ruiter L, Wiepkema PR, Veenning JG *Prog Brain Res* 41: 481-507, 1974 (Eng) [69]

[TOWARDS A BETTER KNOWLEDGE OF THE ACTION MECHANISM OF THERMAL SODIUM BICARBONATE THERAPY AT VAGUE P-LESS-BAINS IN DIABETES] Alland A, Vague P *Sem Hop Ther* 50: 291-5, Apr 74 (Fre)

[NEW COMPOUNDS AND REACTIONS OF SULFONAMIDES WITH AMINES. XIV. HYPOGLYCEMIC PROPERTIES OF SOME DERIVATIVES OF N-(BENZENOSULFONYL)-DELTA-2-PYRAZOLINE-1-CARBOXAMIDE] Brozowski Z, Angielski S, Wojcikowski C *Acta Pol Pharm* 31: 601-6, 1974 (Pol)

1.E.1.1 BLOOD SUGAR, ANALYSIS

1.E BLOOD SUGAR, URINE SUGAR AND RELATED TOPICS

- [EXPERIMENTAL OBSERVATIONS ON GASTROINTESTINAL MOTILITY AND ABSORPTIVE FUNCTION AFTER ABDOMINAL OPERATION] Anonymous *Chin Med J* 7: 394-8, 1974 (Chi)
- [EXSUDATIVE PLEURISY IN RHEUMATOID ARTHRITIS] Hajzok O, Hajzokova M, Zitan D, Rovensky J *Z Rheumatol* 33: 198-205, May-Jun 74 (Ger)
- [RHYTHMICAL ACTIVITY OF THE ADRENAL CORTEX IN VARIOUS STATES OF THE AUTONOMIC NERVOUS SYSTEM] Belova TA, Khamidov GD *Probl Endokrinol (Mosk)* 20: 49-53, Jan-Feb 74 (Rus)
- [STUDIES ON THE MECHANISM OF NICOTINE-INDUCED LIPOLYSIS IN MAN] Ratzmann KP, Meyer LW, Rierner D *Z Gesamte Inn Med* 29: 410-3, 15 May 74 (Ger)
- [THE EFFECT OF INTERMITTENT TRAINING LOADS ON BLOOD CHARACTERISTICS IN TROTTERS (AUTHORS TRANSL)] Krzywanek H, Schulze A, Wittke G *Eur J Appl Physiol* 32: 329-40, 1974 (Ger)
- [USE OF ELECTRONIC COMPUTERS FOR QUALITY CONTROL OF SOME LABORATORY TESTS MADE WITH CONTINUOUS-FLOW APPARATUS] Rossi E *Quad Schivo Diagn* 9: 819-36, Sep 73 (Ita)
- [WDHA (WATERY DIARRHEA, HYPOKALEMIA, A CHLORHYDRIA) SYNDROME] Saito R, Himeno S, Toci N *Jap J Clin Med* 32: 711-8, 10 Apr 74 (Jap) [38]
- A COMPARISON OF ANTICOAGULANTS FOR THE ANALYSIS OF GLUCOSE CONCENTRATION AND FOR HAEMATOLOGICAL MEASUREMENTS IN BOVINE BLOOD. Manston R, Whitlock RH, Young ER *J Comp Pathol* 84: 59-65, Jan 74 (Eng)
- BLOOD GLUCOSE MEASUREMENT WITH DEXTROSTIX AND NEW REFLECTANCE METER. Schersten B, Kuhl C, Hollender A, Ekman R *Br Med J* 3: 384-7, 10 Aug 74 (Eng)
- CHEMICAL AND CLINICAL EVALUATION OF THE CONTINUOUS-FLOW ANALYZER SMAC. Schwartz MK, Bethune VG, Fleisher M, Pennacchia G, Menendez-Botet CJ, Lehman D *Clin Chem* 20: 1062-70, Aug 74 (Eng)
- FACTORY ACCIDENTS AND CARBOHYDRATE SUPPLEMENTS. Brooke JD, Toogood S *Proc Nutr Soc* 32: 94a-95a, Dec 73 (Eng)
- HEART RATE AND ENERGY-YIELDING SUBSTRATES IN BLOOD DURING LONG-LASTING RUNNING. Keul J, Haralambie G, Arnold T, Schumann W *Eur J Appl Physiol* 32: 279-89, 1974 (Eng)
- IMMOBILIZED GLUCOSE OXIDASE USED TO MEASURE GLUCOSE IN SERUM. Kunz HJ, Stastny M *Clin Chem* 20: 1018-22, Aug 74 (Eng)
- MARATHON RUNNING AFTER MYOCARDIAL INFARCTION. Kavanagh T, Shephard RH, Pandit V *JAMA* 229: 1602-5, 16 Sep 74 (Eng)
- MECHANISMS OF HYPERGLYCEMIC RESPONSE TO CHLORPROMAZINE ADMINISTERED INTO LATERAL VENTRICLE IN RATS. I. POSSIBLE ROLE OF DOPAMINERGIC NERVOUS SYSTEM. Fujimori K, Iwamoto T *Neuropharmacology* 13: 245-54, Apr 74 (Eng)
- MECHANISMS OF HYPERGLYCEMIC RESPONSE TO CHLORPROMAZINE ADMINISTERED INTO LATERAL VENTRICLE IN RATS. II. SECRETION OF EPINEPHRINE FROM ADRENAL MEDULLA. Fujimori K, Iwamoto T *Neuropharmacology* 13: 255-60, Apr 74 (Eng)
- METABOLIC RESPONSES TO HYPERPYREXIA. Liebschutz DC, Boutros AR, Printen KJ *Surg Gynecol Obstet* 139: 403-5, Sep 74 (Eng)
- MODIFICATION OF SOME OF THE TOXIC EFFECTS OF DAUNOMYCIN (NSC-82,151) BY PRETREATMENT WITH THE ANTINEOPLASTIC AGENT ICRF 159 (NSC-129,943). Herman EH, Mhatre RM, Chadwich DP *Toxicol Appl Pharmacol* 27: 517-26, Mar 74 (Eng)
- POSTMORTEM CHEMISTRIES ON BLOOD WITH PARTICULAR REFERENCE TO UREA NITROGEN, ELECTROLYTES, AND BILIRUBIN. Coe JJ *J Forensic Sci* 19: 33-42, Jan 74 (Eng)
- SOME CHEMICAL PARAMETERS OF SERUM, CEREBROSPINAL FLUID, PERILYMPH, AND AQUEOUS HUMOR OF THE CHINCHILLA. Juhn SK, Haugen J, Steven L *Lab Anim Sci* 24: 691-5, Aug 74 (Eng)
- THE EFFECT OF PENTAERYTHRITOL TETRAHTRATE PRETREATMENT ON EXPERIMENTAL CORONARY OCCLUSION. Meester WD, Van Harn GL *Am Heart J* 88: 330-7, Sep 74 (Eng)
- THE METABOLIC RESPONSE TO EXERCISE AND EXHAUSTION IN NORMAL AND GROWTH-HORMONE-DEFICIENT CHILDREN. Winter JS *Can J Physiol Pharmacol* 52: 575-82, Jun 74 (Eng)
- UTILIZATION AND TURNOVER RATE OF FRUCTOSE DURING CONTINUOUS INTRAVENOUS INFUSION IN PRE-TERM AND TERM NEWBORNS IN DEPENDENCE ON AGE. Beyreiss K, Rautenbach M *Biol Neonate* 24: 330-43, 1974 (Eng)
- ZINC AND INSULIN CONTENT IN PANCREATIC ISLETS OF RATS AFTER ADMINISTRATION OF HYPOGLYCEMIC SULFONAMIDES. Lazaris YA, Kuts LG, Buvetskii ZE *Bull Exp Biol Med* 77: 647-9, Dec 74 (Eng)
- DIABETIC CRISES IN CHILDREN TREATED WITH SMALL DOSES OF INTRAMUSCULAR INSULIN. Moseley J *Br Med J* 1: 59-61, 11 Jan 75 (Eng)
- LONGITUDINAL STUDY OF UNTREATED CHEMICAL DIABETES. Logie AW, Stowers JM, Dingwall-Fordyce I *Br Med J* 4: 630-2, 14 Dec 74 (Eng)
- LACTICACIDOSIS, KETOACIDOSIS, AND HYPERALANINAEMIA IN A PHENFORMIN-TREATED DIABETIC PATIENT. Ball S, Woods HF, Alberti KG *Br Med J* 4: 699-700, 21 Dec 74 (Eng)
- SULFONYLUREA-INDUCED FACTITIOUS HYPOGLYCEMIA IN A NONDIABETIC NURSE. Walfish PG, Kashyap RP, Greenstein S *Can Med Assoc J* 112: 71-2, 11 Jan 75 (Eng)
- POSSIBLE PARTICIPATION OF INSULIN IN THE CONTROL OF VASCULAR PERMEABILITY. Garcia-Leme J, Bohm GM, Migliorini RH, de Souza MZ *Eur J Pharmacol* 29: 298-306, Dec 74 (Eng)
- EFFECT OF A LOW DOSE OF ALLOXAN ON BLOOD GLUCOSE, ISLET BETA CELL GRANULATION, BODY WEIGHT, AND INSULIN RESISTANCE OF OB/OB MICE. Solomon J, Bulkley RJ, Mayer J *Diabetologia* 10: 709-15, Dec 74 (Eng)
- SIGNIFICANCE OF ACID AMYLOGLYCOSIDASE IN SULFONYLUREA-INDUCED INSULIN RELEASE. Lundquist I *Diabetologia* 10: 717-24, Dec 74 (Eng)
- THE DEVELOPMENT OF DIABETES FOLLOWING COXSACKIE B VIRUS INFECTION IN MICE. Coleman TJ, Taylor KW, Gamble DR *Diabetologia* 10: 755-9, Dec 74 (Eng)
- INSULIN SECRETORY RESPONSE OF DIABETICS DURING THE PERIOD OF IMPROVEMENT OF GLUCOSE TOLERANCE TO NORMAL RANGE. Kosaka K, Hagura R, Kuzuya T, Kuzuya N *Diabetologia* 10: 775-82, Dec 74 (Eng)
- IN VIVO MODELING FOR GLUCOSE HOMEOSTASIS. Finkelstein SM, Bleicher MA, Bathany S, Tiefenbrun J *IEEE Trans Biomed Eng* 22: 47-52, Jan 75 (Eng)
- DEGREE OF ACETONAEMIA FOLLOWING EPINEPHRINE INFUSION TO DETERMINE BIOCHEMICAL CHARACTERIZATION OF DIABETES MELLITUS. Malik TK, Kumar V, Ahuja MM *Indian J Med Res* 62: 80-5, Jan 74 (Eng)
- HYPERGLYCEMIC RESPONSE IN CHILDREN WITH CONVULSIONS. Bajaj RT, Desai M *Indian Pediatr* 11: 719-22, Nov 74 (Eng)
- STUDIES OF GLUCOSE TOLERANCE, INSULIN AND GROWTH HORMONE SECRETION DURING THE MENSTRUAL CYCLE IN HEALTHY WOMEN. Walsh CH, O'Sullivan DJ *Ir J Med Sci* 144: 18-24, Jan 75 (Eng)
- CARBOHYDRATE METABOLISM IN PREGNANCY. XII. THE EFFECT OF ORAL GLUCOSE ON PLASMA CONCENTRATIONS OF HUMAN PLACENTAL LACTOGEN AND CHORIONIC GONADOTROPIN DURING LATE PREGNANCY IN NORMAL SUBJECTS AND GESTATIONAL DIABETICS. Surmaczynska BZ, Nitzan M, Metzger BE, Freinkel N *Isr J Med Sci* 10: 1481-6, Dec 74 (Eng)
- CHANGES IN THE RATS PREFERENCE FOR SACCHARIN AND SODIUM CHLORIDE SOLUTIONS FOLLOWING INJECTION OF ALLOXAN MONOHYDRATE. Brookshire KH *J Comp Physiol Psychol* 87: 1061-8, Dec 74 (Eng)
- FUNCTION OF THE ONSET OF ILLNESS IN THE PREFERENCE CHANGES OF ALLOXAN-DIABETIC RATS. Brookshire KH *J Comp Physiol Psychol* 87: 1069-72, Dec 74 (Eng)
- DRY SOCKET AND DYSGLYCEMIA. Ringsdorf WM Jr, Cheraskin E *J Dent Res* 54: 184, Jan-Feb 75 (Eng)
- INSULINOMA. Dean AC, Smith RC *J R Coll Surg Edinb* 20: 49-53, Jan 75 (Eng)
- RACIAL VARIATION IN DIABETES MELLITUS IN JAPANESE AND CAUCASIANS LIVING IN HAWAII. Goodman MJ, Chung CS, Gilbert F *J Med Genet* 11: 328-34, Dec 74 (Eng)
- THE EFFECTS OF HIGH CARBOHYDRATE DIETS ON HYPERINSULINEMIC MONKEYS (MACACA MULATTA). Hamilton CL, Kuo PT, Feng L *J Med Primatol* 3: 276-84, 1974 (Eng)
- THE MEMPHIS CHRONIC DISEASE PROGRAM. COMPARISONS IN OUTCOME AND THE NURSES EXTENDED ROLE. Runyan JW *Jr JAMA* 231: 264-7, 20 Jan 75 (Eng)
- [HYPERACTIVITY OF THE BETA-RECEPTOR IN CHILDREN—WITH SPECIAL REFERENCE TO PERIODIC VOMITING (SO-CALLED AUTOINTOXICATION) AND ORTHOSTATIC DYSREGULATION] Furusho K, Muraishi K, Sato K, Noda C *Jpn J Clin Med* 32: 2907-18, Sep 74 (Jpn)
- [CAUSES AND EFFECTS OF HYPERACTIVITY OF THE SYMPATHICO-ADRENAL SYSTEM IN ACUTE MYOCARDIAL INFARCT] Oganov RG, Vinogradova IV, Aleksandrov AA *Kardiologia* 14: 140-50, Oct 74 (Rus) [146]
- [INSULIN SECRETION IN PATIENTS WITH CORONARY HEART DISEASE (AUTHORS TRANSL)] Schenk KE, Quabbe HJ, Bittner H, Sasse H, Schroder R *Klin Wochenschr* 52: 1053-9, 15 Nov 74 (Eng)

Diabetes Literature—Hierarchical Index

1.E BLOOD SUGAR, URINE SUGAR AND RELATED TOPICS

- LETTER: SCREENING FOR DIABETES.** Prout TE *Lancet* 1: 166-7, 18 Jan 75 (Eng)
- [EARLY DIAGNOSIS AND PREVENTION OF DIABETES MELLITUS]** Atzenhofer K, Schnetz H *Med Welt* 26: 95-102, 17 Jan 75 (Ger) [35]
- EPIDEMIOLOGY OF DIABETES MELLITUS.** Beaven DW, Arcus AC, Bell JP, Smith JR *NZ Med J* 80: 291-9, 9 Oct 74 (Eng)
- [ADAPTIVE IMPORTANCE OF GLUCONEOGENESIS IN HEALTHY AND DISEASED BODY (REVIEW)]** Genes SG *Patol Fiziol Eksp Ter* 74-81, Nov-Dec 74 (Rus) [81]
- INSULIN-GLUCAGON SUBSTRATE INTERRELATIONS IN THE FETAL SHEEP.** Fiser RH Jr, Erenberg A, Sperling MA, Oh W, Fisher DA *Pediatr Res* 8: 951-5, Dec 74 (Eng)
- MACROGLOSSIA, TRANSIENT NEONATAL DIABETES MELLITUS AND INTRAUTERINE GROWTH FAILURE: A NEW DISTINCT ENTITY** Dacou-Voutetakis C, Anagnostakis D, Xanthou M *Pediatrics* 55: 127-31, Jan 75 (Eng)
- ENDOGENOUS AND EXOGENOUS INSULIN RESPONSES IN PATIENTS WITH CYSTIC FIBROSIS.** Wilmschurst EG, Soeldner JS, Holsclaw DS, Kaufmann RL, Shwachman H, Aoki TT, Gleason RE *Pediatrics* 55: 75-82, Jan 75 (Eng)
- KININS AND HYPOGLYCEMIC CONVULSIONS.** Wisniewski K, Mackiewicz W *Pol J Pharmacol Pharm* 26: 611-5, Jul-Aug 74 (Eng)
- [SOMATOTROPIC FUNCTION OF THE HYPOPHYSIS. TOLERANCE TESTS AS A METHOD OF EVALUATION OF THE SOMATOTROPIC FUNCTION OF THE HYPOPHYSIS]** Sokolov IaA, Vasilenko VV, Fedotov VP *Probl Endokrinol (Mosk)* 20: 16-22, Sep-Oct 74 (Rus)
- [SOMATOTROPIN AND NONESTERIFIED FATTY ACID CONTENT DURING THE STANDARD GLUCOSE TOLERANCE TEST IN CHILDREN AND ADOLESCENTS FROM FAMILIES WITH THE HISTORY OF DIABETES MELLITUS]** Stulii LA, Balabolkin MI, Rozhnov AA, Kasatkina IN, Smirnova LK *Probl Endokrinol (Mosk)* 20: 3-7, Sep-Oct 74 (Rus)
- [RESULTS OF THE STUDY OF SOMATOTROPIC FUNCTION OF THE HYPOPHYSIS WITH THE AID OF INSULIN TOLERANCE TEST IN PATIENTS WITH HYPOGONADISM]** Nekrasova LV, Sokolov IaA, Marova EI *Probl Endokrinol (Mosk)* 20: 31-6, Sep-Oct 74 (Rus)
- [LIPOMOBILIZING FACTOR OF BLOOD IN THE PATHOGENESIS OF HYPERLIPIDEMIA IN EXPERIMENTAL DIABETES MELLITUS]** Tishenina RS *Probl Endokrinol (Mosk)* 20: 95-9, Sep-Oct 74 (Rus)
- ENDOCRINE ALTERATIONS IN DELIRIUM TREMENS.** Dobrzanski T Q *J Stud Alcohol* 35: 1205-11, Dec 74 (Eng)
- PARENTERAL NUTRITION.** Jarrett F *Prog Surg* 13: 125-37, 1974 (Eng) [30]
- [INFLUENCE OF STYRENE ON CARBOHYDRATE BALANCE (AUTHORS TRANSL.)]** Chmielewski J, Mikulski P *Rocz Pomor Akad Med suppl* 10: 321-4, 1974 (Pol)
- METABOLIC EFFECT OF CONJUGATED OESTROGENS (USP) ON GLUCOSE TOLERANCE.** Notelovitz M S *Afr Med J* 48: 2599-603, 21 Dec 74 (Eng)
- EFFECT OF INTRAPANCREATIC ADMINISTRATION OF CALCIUM UPON GLUCAGON SECRETION IN DOGS.** Ohneda A, Matsuda K, Horigome K, Ishii S, Yamagata S *Tohoku J Exp Med* 113: 301-11, Aug 74 (Eng)
- EFFECT OF CLOFIBRATE ADMINISTRATION ON PLASMA POST-HEPARIN LIPOLYTIC ACTIVITY IN MAN.** Maruhama Y, Yanbe A, Abe R, Oneda A, Yamagata S *Tohoku J Exp Med* 113: 343-9, Aug 74 (Eng)
- [BIOCHEMICAL AND MORPHOLOGICAL STUDIES OF THE BLOOD AND LIVER IN COWS WITH KETOSIS]** Simeonov S, Dimitrov A, Stoi-anov Kh *Vet Med Nauki* 11: 10-22, 1974 (Bul)
- IMMUNE INSULITIS AND MANIFEST DIABETES MELLITUS. STUDIES ON THE COURSE OF IMMUNE INSULITIS AND THE INDUCTION OF DIABETES MELLITUS IN RABBITS IMMUNIZED WITH INSULIN.** Kloppel G, Altenahr E, Freytag G, Jansen FK *Virchows Arch [Pathol Anat]* 364: 333-46, 1974 (Eng)
- [BLOOD CONTENT OF IMMUNOREACTIVE INSULIN IN CHILDREN AND ADOLESCENTS WITH OBESITY]** Livergant IuE, Dudenko NV, Krupchitskaia KI *Vopr Okhr Materin Det* 19: 51-4, Oct 74 (Rus)
- [ROLE OF GLUCONEOGENESIS IN THE MAINTENANCE OF NORMOGLYCEMIA IN THE BODY OF ANIMALS WITH TRANSPLANTED TUMORS]** Blinov VA, Shapov VS *Vopr Onkol* 20: 60-5, 1974 (Rus)
- 1.E.1.2 BLOOD SUGAR, BIOSYNTHESIS**
- 1.E.1.3 BLOOD SUGAR, METABOLISM**
- [RELATION BETWEEN BLOOD GLUCOSE LEVELS AND BODY TEMPERATURE DURING COLD ADAPTATION]** Liakh LA *Fiziol Zh SSSR* 60: 88-93, Jan 74 (Rus)
- A STUDY OF THE EFFECTS OF NICOTINIC ACID IN CATTLE, WITH SPECIAL REFERENCE TO KETOSIS THERAPY.** Nur-mio P, Roine K, Juokslahiti T, Loman A *Nord Vet Med* 26: 370-81, Jan 74 (Eng)
- CARBOHYDRATE METABOLISM IN SHOCK RESISTANCE.** Bardoczi A, Aroksallasi J, Karady S *Adv Exp Med Biol* 33: 649-53, 1972 (Eng)
- EFFECT OF BETAMETHASONE ON THE PRODUCTION OF GLUCOSE FROM PROPIONATE BY SHEEP.** Ford EJ, Winchester JG *J Endocrinol* 62: 51-7, Jul 74 (Eng)
- EFFECT OF EXERCISE ON LEVELS OF PLASMA GROWTH HORMONE, FREE FATTY ACIDS, AND GLUCOSE IN THE PIGEON.** McKeown BA, John TM, George JC *Arch Int Physiol Biochim* 82: 55-62, Feb 74 (Eng)
- EFFECTS OF FRUCTOSE AND GLUCOSE INFUSIONS ON BLOOD ACID-BASE EQUILIBRIUM IN THE POSTOPERATIVE PERIOD.** Hessov I *Acta Chir Scand* 140: 347-51, 1974 (Eng)
- GLUCONEOGENESIS IN RUMINANTS: GLUCOSE KINETIC PARAMETERS IN CALVES UNDER STANDARDIZED CONDITIONS.** Young JW, Trott DR, Berger PJ, Schmidt SP, Smith JA *J Nutr* 104: 1049-55, Aug 74 (Eng)
- GLYCOGEN METABOLISM IN GLYCOGEN-RICH ERYTHROCYTES.** Moses SW, Bashan N, Gutman A, Ockerman PA *Blood* 44: 275-84, Aug 74 (Eng)
- INFLUENCE OF ENDOTOXIN ON ADIPOSE TISSUE METABOLISM.** Spitzer JA, Kovach AG, Rosell S, Sandoz P, Spitzer JJ, Storck R *Adv Exp Med Biol* 33: 337-44, 1972 (Eng)
- METABOLIC, HORMONAL AND ENZYMATIC FUNCTIONS OF RATS DURING RECOVERY FROM INJURY.** Nemeth S, Vigas M, Strakova A *Adv Exp Med Biol* 33: 423-7, 1972 (Eng)
- MYOCARDIAL METABOLISM DURING ENDOTOXIC SHOCK.** Scott JC, Weng JT, Spitzer JJ *Adv Exp Med Biol* 33: 375-86, 1972 (Eng)
- NON-ESTERIFIED FATTY ACID (FFA) METABOLISM FOLLOWING SEVERE HEMORRHAGE IN THE CONSCIOUS DOG.** Spitzer JJ, Wiener R, Wolf EH *Adv Exp Med Biol* 33: 221-30, 1972 (Eng)
- PURIFICATION OF LEUCOCYTE METABOLISM BY NONPHAGOCYTOSABLE CANAVALIN A-COUPLED BEADS.** Romeo D, Jug M, Zabucchi G, Rossi F *FEBS Lett* 42: 90-3, 15 May 74 (Eng)
- EFFECT OF SPINAL NERVE STIMULATION ON GLUCAGON AND INSULIN OUTPUT IN THE DOG.** Kaneto A, Kajinuma H, Kosaka K *Endocrinology* 96: 143-50, Jan 75 (Eng)
- [THE BODY'S RESPONSE TO THE LOCAL APPLICATION OF A THERMAL STIMULUS UNDER CONDITIONS OF INADEQUATE INSULIN FORMATION]** Shanko VM *Fiziol Zh* 21: 98-103, Jan-Feb 75 (Ukr)
- SEX RELATED DIURNAL VARIATIONS IN VENOUS BLOOD GLUCOSE AND PLASMA INSULIN LEVELS. EFFECTS OF ESTROGENS IN MEN.** Hauteceuvre M, Slama G, Assan R, Tchobrousky G *Diabetologia* 10: 725-30, Dec 74 (Eng)
- THE EFFECT OF GLUCOSE ANOMERS UPON INSULIN AND GLUCAGON SECRETION.** Rosini AA, Soeldner JS, Hiebert JM, Weir GC, Gleason RE *Diabetologia* 10: 795-9, Dec 74 (Eng)
- IN VIVO MODELING FOR GLUCOSE HOMEOSTASIS.** Finkelstein SM, Bleicher MA, Bathany S, Tiefenbrun J *IEEE Trans Biomed Eng* 22: 47-52, Jan 75 (Eng)
- EFFECT OF GLUCOSE LOADING ON SERUM GLYCOPROTEINS.** Ghai RD, Pai ML, Shah CP, Srinivasan S *J Assoc Physicians India* 22: 597-600, Aug 74 (Eng)
- [EFFECT OF GLICLAZIDE ON PLATELET BEHAVIOR]** Verry M, Dechavanne M, Desnoyers P, Stoltz JF, Vainer H *Nouv Presse Med* 3: 2099-100, 5 Oct 74 (Fre)
- TRAUMA: HORMONAL FACTORS WITH SPECIAL REFERENCE TO DIABETES MELLITUS.** Efendic S, Cerasi E, Luft R *Acta Anaesthesiol Scand [Suppl]* 107-19, 1974 (Eng)
- CARBOHYDRATE AND LIPID METABOLISM IN THE NEWBORN INFANT.** Persson B *Acta Anaesthesiol Scand [Suppl]* 50-7, 1974 (Eng)
- STREPTOZOTOCIN-DIABETES IN THE CHINESE HAMSTER. LONG-TERM EFFECTS ON THE LIGHT MICROSCOPIC STRUCTURE OF THE PANCREATIC ISLET TISSUE, LIVER AND KIDNEY.** Wilander E *Acta Pathol Microbiol Scand [A]* 82: 767-76, Nov 74 (Eng)
- METABOLIC AND HORMONAL CHANGES DURING AND AFTER EXCHANGE TRANSFUSION WITH HEPARINIZED OR ACID BLOOD.** Cser A *Arch Dis Child* 49: 940-5, Dec 74 (Eng)
- CYTOTOXIC EFFECTS OF STREPTOZOTOCIN AND N-NITROSOMETHYLEUREA ON THE PANCREATIC B CELLS WITH SPECIAL REGARD TO THE ROLE OF NICOTINAMIDE-ADENINE DINUCLEOTIDE.** Gunnarsson R, Berne C, Hellerstrom C *Biochem J* 140: 487-94, Jun 74 (Eng)
- 1.E.1.4 BLOOD SUGAR, PHARMACODYNAMICS**

Diabetes Literature—Hierarchical Index

1.E BLOOD SUGAR, URINE SUGAR AND RELATED TOPICS

1.E.2 GLUCOSE TOLERANCE TEST

LONG-TERM INFUSION OF GROWTH HORMONE RELEASE INHIBITING HORMONE IN ACROMEGALY: EFFECTS ON PITUITARY AND PANCREATIC HORMONES. Besser GM, Mortimer CH, McNeilly AS, Thorner MO, Batistoni GA, Bloom SR, Kastrop KW, Hanssen KF, Hall R, Coy DH, Kastin AJ, Schally AV *Br Med J* 4: 622-7, 14 Dec 74 (Eng)

LONGITUDINAL STUDY OF UNTREATED CHEMICAL DIABETES. Logie AW, Stowers JM, Dingwall-Fordyce I *Br Med J* 4: 630-2, 14 Dec 74 (Eng)

[TREATMENT OF HYPOGLYCEMIA IN THE ADULT] Wolf LM *Cah Med* 15: 589-93, Sep 74 (Fre)

A METHOD FOR THE EPIDEMIOLOGIC STUDY OF EARLY DIABETES. Rand CG, Jackson RJ, Mackie CC *Can Med Assoc J* 111: 1312-4, 21 Dec 74 (Eng)

SULFONYLUREA-INDUCED FACTITIOUS HYPOGLYCEMIA IN A NONDIABETIC NURSE. Walfish PG, Kashyap RP, Greenstein S *Can Med Assoc J* 112: 71-2, 11 Jan 75 (Eng)

HYPOGLYCEMIA: A PERSPECTIVE. Berger H *Can Med Assoc J* 112: 81-5, 8 Feb 75 (Eng)

EFFECT OF A LOW DOSE OF ALLOXAN ON BLOOD GLUCOSE, ISLET BETA CELL GRANULATION, BODY WEIGHT, AND INSULIN RESISTANCE OF OB/OB MICE. Solomon J, Bulkeley RJ, Mayer J *Diabetologia* 10: 709-15, Dec 74 (Eng)

SEX RELATED DIURNAL VARIATIONS IN VENOUS BLOOD GLUCOSE AND PLASMA INSULIN LEVELS. EFFECTS OF ESTROGENS IN MEN. Hauteceuvre M, Slama G, Assan R, Tchobroutsky G *Diabetologia* 10: 725-30, Dec 74 (Eng)

THE DEVELOPMENT OF DIABETES FOLLOWING COXSACKIE B VIRUS INFECTION IN MICE. Coleman TJ, Taylor KW, Gamble DR *Diabetologia* 10: 755-9, Dec 74 (Eng)

[HYDRAMNIOS AND GLUCOSE TOLERANCE: THE INCIDENCE OF HYDRAMNIOS IN 461 PREGNANT PATIENTS SUSPECTED OF DIABETES CORRELATED TO GLUCOSE TOLERANCE (AUTHORS TRANSL.)] Engelhardt W *Geburtshilfe Frauenheilkd* 34: 851-6, Oct 74 (Ger)

EFFECT OF ADAPTATION TO HIGH ALTITUDE ON COMPONENTS OF BLOOD AND URINE OF LOWLANDERS COMPARED WITH HIGH ALTITUDE NATIVES. Shivastava KK, Malhotra MS *Int J Biometeorol* 18: 229-87, Dec 74 (Eng)

STUDIES OF GLUCOSE TOLERANCE, INSULIN AND GROWTH HORMONE SECRETION DURING THE MENSTRUAL CYCLE IN HEALTHY WOMEN. Walsh CH, O'Sullivan DJ *Ir J Med Sci* 144: 18-24, Jan 75 (Eng)

GLUCOSE TOLERANCE IN MOTHERS OF OFFSPRING WITH CONGENITAL MALFORMATIONS. Goldman JA *Isr J Med Sci* 10: 1434-7, Nov 74 (Eng)

CARBOHYDRATE METABOLISM IN PREGNANCY. XII. THE EFFECT OF ORAL GLUCOSE ON PLASMA CONCENTRATIONS OF HUMAN PLACENTAL LACTOGEN AND CHORIONIC GONADOTROPIN DURING LATE PREGNANCY IN NORMAL SUBJECTS AND GESTATIONAL DIABETICS. Surmaczynska BZ, Nitzan M, Metzger BE, Freinkel N *Isr J Med Sci* 10: 1481-6, Dec 74 (Eng)

DRY SOCKET AND DYSGLYCEMIA. Ringsdorf WM Jr, Cheraskin E *J Dent Res* 54: 184, Jan-Feb 75 (Eng)

SHORT STATURE AS THE ONLY CLINICAL SIGN OF CUSHINGS SYNDROME. Lee PA, Weldon VV, Migeon CJ *J Pediatr* 86: 89-91, Jan 75 (Eng)

RACIAL VARIATION IN DIABETES MELLITUS IN JAPANESE AND CAUCASIANS LIVING IN HAWAII. Goodman MJ, Chung CS, Gilbert F *J Med Genet* 11: 328-34, Dec 74 (Eng)

[CHANGES IN CARBOHYDRATE TOLERANCE DURING SURGERY - WITH SPECIAL REFERENCE TO COMPARISON BETWEEN GLUCOSE AND MALTOSE] Aono K, Harano K, Hirokata Y, Nakamura Y *Jpn J Anesthesiol* 23: 797-805, Sep 74 (Jpn)

[HYPERACTIVITY OF THE BETA-RECEPTOR IN CHILDREN—WITH SPECIAL REFERENCE TO PERIODIC VOMITING (SO-CALLED AUTOINTOXICATION) AND ORTHOSTATIC DYSREGULATION] Furusho K, Muraishi K, Sato K, Noda C *Jpn J Clin Med* 32: 2907-18, Sep 74 (Jpn)

[INSULIN SECRETION IN PATIENTS WITH CORONARY HEART DISEASE (AUTHORS TRANSL.)] Schenk KE, Quabbe HJ, Bittner H, Sasse H, Schroder R *Klin Wochenschr* 52: 1053-9, 15 Nov 74 (Eng)

COMMENTS ON THE EVALUATION OF ORAL GLUCOSE TOLERANCE TEST RESULTS. Biliewicz WZ *Mater Med Pol* 6: 213-9, Jul-Sep 74 (Eng)

[DISORDERS OF CARBOHYDRATE TOLERANCE IN PATIENTS WITH CHRONIC AZOTEMIA] Kovac T, Lepanovic L, Tepavcovic P *Med Arh* 28: 399-404, Jul-Aug 74 (Ser)

LETTER: SCREENING FOR DIABETES. Prout TE *Lancet* 1: 166-7, 18 Jan 75 (Eng)

EFFECTS OF STREPTOZOTOCIN ON GLUCOSE METABOLISM, INSULIN RESPONSE, AND ADIPOSITY IN OB/OB MICE. Batchelor BR, Stern JS, Johnson PR, Mahler RJ *Metabolism* 24: 77-91, Jan 75 (Eng)

EPIDEMIOLOGY OF DIABETES MELLITUS. Beaven DW, Arcus AC, Bell JP, Smith JR *NZ Med J* 80: 291-9, 9 Oct 74 (Eng)

ORAL CONTRACEPTION. A REVIEW OF REPORTED PHYSIOLOGICAL AND PATHOLOGICAL EFFECTS. Andrews WC *Obstet Gynecol Surv* 26: 477-99, Jul 71 (Eng) [174]

[COMPARATIVE STUDY OF 2 METHODS OF PLASMA INSULIN RADIOIMMUNOASSAY. DOUBLE ANTIBODY AND SOLID PHASE METHODS] Orsetti A, Collard F *Pathol Biol (Paris)* 22: 771-3, Nov 74 (Fre)

MACROGLOSSIA, TRANSIENT NEONATAL DIABETES MELLITUS AND INTRAUTERINE GROWTH FAILURE: A NEW DISTINCT ENTITY Dacou-Voutetakis C, Anagnostakis D, Xanthou M *Pediatrics* 55: 127-31, Jan 75 (Eng)

ENDOGENOUS AND EXOGENOUS INSULIN RESPONSES IN PATIENTS WITH CYSTIC FIBROSIS. Wilmshurst EG, Soeldner JS, Holsclaw DS, Kaufmann RL, Shwachman H, Aoki TT, Gleason RE *Pediatrics* 55: 75-82, Jan 75 (Eng)

RECURRENT ACUTE PANCREATITIS IN PATIENTS WITH CYSTIC FIBROSIS WITH NORMAL PANCREATIC ENZYMES. Shwachman H, Leibelthal E, Khaw KT *Pediatrics* 55: 86-95, Jan 75 (Eng)

[EFFECT OF HEREDITARY FACTORS ON CERTAIN INDICATORS OF METABOLISM IN CHILDREN AND ADOLESCENTS WITH

OBESITY] Dudenko NV, Anishchuk VP, Savchenko DD *Pediatrics* 34-7, Dec 74 (Rus)

[LETTER: FALL IN PLASMA TESTOSTERONE LEVELS DURING ORAL GLUCOSE TOLERANCE TEST] Cathelineau G, Roger M, Soldat MC *Nouv Presse Med* 3: 2109, 5 Oct 74 (Fre)

CHANGES IN GLUCOSE TOLERANCE, INSULIN, SERUM LIPIDS AND LIPOPROTEINS IN PATIENTS WITH RENAL FAILURE ON INTERMITTENT HAEMODIALYSIS. Arora K, Atkinson MK, Trafford JA, Sheldon J, Nunn R *Postgrad Med J* 49: 293-6, May 73 (Eng)

THE EFFECT OF A LOW-CALORIE DIET WITH AND WITHOUT FENFLURAMINE, AND FENFLURAMINE ALONE ON THE GLUCOSE TOLERANCE AND INSULIN SECRETION OF OVERWEIGHT NON-DIABETICS. Dykes JR *Postgrad Med J* 49: 314-7, May 73 (Eng)

THE EFFECT OF A LOW-CALORIE DIET WITH AND WITHOUT FENFLURAMINE ON THE GLUCOSE TOLERANCE AND INSULIN SECRETION OF OBESE MATURITY-ONSET DIABETICS. Dykes JR *Postgrad Med J* 49: 318-24, May 73 (Eng)

EPISODIC WEAKNESS IN THYROTOXICOSIS. Isaacs B, Thomas E, Hall JA *Practitioner* 213: 69-72, Jul 74 (Eng)

[SOMATOTROPIN AND NONESTERIFIED FATTY ACID CONTENT DURING THE STANDARD GLUCOSE TOLERANCE TEST IN CHILDREN AND ADOLESCENTS FROM FAMILIES WITH THE HISTORY OF DIABETES MELLITUS] Stulii LA, Balabolkin MI, Rozhnov AA, Kasatkin IN, Smirnova LK *Probl Endokrinol (Mosk)* 20: 3-7, Sep-Oct 74 (Rus)

[HEPATIC CIRRHOSIS (NON HEMOCHROMATOSIC), DIABETES MELLITUS, II. INCIDENCE OF CHEMICAL DIABETES IN A GROUP OF 106 CIRRHOTIC PATIENTS] Cerdan Vallejo A, Martin Zurro A, Camunez Benjumea F, Ortiz Vazquez J *Rev Clin Esp* 134: 355-62, 31 Aug 74 (Spa)

[INFLUENCE OF STYRENE ON CARBOHYDRATE BALANCE (AUTHORS TRANSL.)] Chmielewski J, Mikulski P *Rocz Pomor Akad Med suppl* 10: 321-4, 1974 (Pol)

[TOWARDS A BETTER KNOWLEDGE OF THE ACTION MECHANISM OF THERMAL SODIUM BICARBONATE THERAPY AT VALS-LES-BAINS IN DIABETES] Alland A, Vague P *Sem Hop Ther* 50: 291-5, Apr 74 (Fre)

METABOLIC EFFECT OF CONJUGATED OESTROGENS (USP) ON GLUCOSE TOLERANCE. Nodelovitz M *S Afr Med J* 48: 2599-603, 21 Dec 74 (Eng)

THE ASSESSMENT OF INSULIN, GLUCOSE AND LIPIDS IN ISCHEMIC THROMBOTIC CEREBROVASCULAR DISEASE. Gertler MM, Leetma HE, Koutrouby RJ, Johnson ED *Stroke* 6: 77-84, Jan-Feb 75 (Eng)

[BLOOD CONTENT OF IMMUNOREACTIVE INSULIN IN CHILDREN AND ADOLESCENTS WITH OBESITY] Livergant IuE, Dudenko NV, Krupchitskaia KI *Vopr Okhr Materin Det* 19: 51-4, Oct 74 (Rus)

[MULTIPLE OSTEONECROSIS WITH TYPE IV HYPERLIPOPROTEINEMIA (AUTHORS TRANSL.)] Zsarnaviczky J, von Torklus D, Wilke H, Frahm H *Z Orthop* 112: 1112-8, Oct 74 (Ger)

[ULTRASTRUCTURAL STUDY OF PHERIPHERAL NERVE IN 16 DIABETICS WITHOUT NEUROPATHY. COMPARISONS WITH 16 DIABETIC NEUROPATHIES AND 16 NON-DIABETIC NEUROPATHIES (AUTHORS

Diabetes Literature—Hierarchical Index

1.E BLOOD SUGAR, URINE SUGAR AND RELATED TOPICS

[TRANSL.] Vital C, Le Blanc M, Vallat JM, Cocquet M, Vallat M, Roques JC *Acta Neuropathol (Berl)* 30: 63-72, 1974 (Fre)

[COURSE OF PREGNANCY AND LABOR IN DIABETES MELLITUS] Griaeva IM, Vtorova VG *Akush Ginekol (Mosk)* 58-62, May 74 (Rus)

SERUM GROWTH HORMONE (GH) AND INSULIN (IR) AFTER ORAL GLUCOSE IN SUBJECTS WITH RENAL FAILURE. Viljanen MK, Nousiainen R, Kusanen A, Frosstrom J *Ann Clin Res* 6: 266-71, Oct 74 (Eng)

HYPOGLYCEMIA: CLINICAL IMPLICATIONS. PART I: REACTIVE HYPOGLYCEMIA. Block MB *Ariz Med J* 31: 932-4, Dec 74 (Eng)

1.E.3 HYPERGLYCEMIA

DIABETIC CRISES IN CHILDREN TREATED WITH SMALL DOSES OF INTRAMUSCULAR INSULIN. Moseley J *Br Med J* 1: 59-61, 11 Jan 75 (Eng)

PROCEEDINGS: FAMILIAL GLUCOCORTICOID DEFICIENCY. Thistlethwaite D, Darling JA, Fraser R, Rees LH, Harkness RA *J Endocrinol* 63: 48p-49p, Nov 74 (Eng)

[TUMOUR CELL BALANCE AND SUPPLY OF SUBSTRATES (AUTHORS TRANSL.)] von Ardenne M, Rieger F *Arch Geschwulstforsch* 44: 25-46, 1974 (Ger)

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[ACUTE DIABETIC SYNDROME INDUCED IN RATS BY ANTI-INSULIN SERUM AS AN EXPERIMENTAL MODEL FOR THE STUDY OF SOME ANTIDIABETIC EFFECTS] Andreev D, Strashimirov S, Ditsov GD *Eksp Med Morfol* 13: 95-101, 1974 (Bul)

1.E.3.3 HYPERGLYCEMIA, COMPLICATIONS

THE ABSENCE OF CATARACTS IN MICE WITH CONGENITAL HYPERGLYCEMIA. Varma SD, Kinoshita JH *Exp Eye Res* 19: 577-82, Dec 74 (Eng)

DRY SOCKET AND DYSGLYCEMIA. Ringsdorf WM Jr, Cheraskin E *J Dent Res* 54: 184, Jan-Feb 75 (Eng)

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[ACUTE DIABETIC SYNDROME INDUCED IN RATS BY ANTI-INSULIN SERUM AS AN EXPERIMENTAL MODEL FOR THE STUDY OF SOME ANTIDIABETIC EFFECTS] Andreev D, Strashimirov S, Ditsov GD *Eksp Med Morfol* 13: 95-101, 1974 (Bul)

1.E.3.6 HYPERGLYCEMIA, ETIOLOGY

HYPERGLYCEMIC RESPONSE IN CHILDREN WITH CONVULSIONS. Bajaj RT, Desai M *Indian Pediatr* 11: 719-22, Nov 74 (Eng)

HYPERGLYCEMIA IN THE NEWBORN. Kumari S, Sagreya K, Bhargava SK *Indian Pediatr* 11: 581-3, Aug 74 (Eng)

[CAUSES AND EFFECTS OF HYPERACTIVITY OF THE SYMPATHICO-ADRENAL SYSTEM IN ACUTE MYOCARDIAL INFARCT] Oganov RG, Vinogradova IV, Aleksandrov AA *Kardiologia* 14: 140-50, Oct 74 (Rus) [146]

[HYPEROSMOLAR COMA] Stumpe KO, Kruck F *Med Klin* 69: 2051-62, 13 Dec 74 (Ger) [41]

PARENTERAL NUTRITION. Jarrett F *Prog Surg* 13: 125-37, 1974 (Eng) [30]

TECHNIQUES OF TOTAL INTRAVENOUS FEEDING. A COMMENT TO THE PAPER BY F. JARRETT. Goschke H *Prog Surg* 13: 138-40, 1974 (Eng)

1.E.3.7 HYPERGLYCEMIA, METABOLISM

CHANGES IN THE RATS PREFERENCE FOR SACCHARIN AND SODIUM CHLORIDE SOLUTIONS FOLLOWING INJECTION OF ALLOXAN MONOHYDRATE. Brookshire KH *J Comp Physiol Psychol* 87: 1061-8, Dec 74 (Eng)

EFFECTS OF STREPTOZOTOCIN ON GLUCOSE METABOLISM, INSULIN RESPONSE, AND ADIPOSITY IN OB/OB MICE. Batchelor BR, Stern JS, Johnson PR, Mahler RJ *Metabolism* 24: 77-91, Jan 75 (Eng)

NORMAL CARBOHYDRATE METABOLISM AND CARBOHYDRATE METABOLISM IN TRAUMA. Hultman E, Bergstrom J, Nilsson LH *Acta Anaesthesiol Scand [Suppl]* 28-49, 1974 (Eng)

CYTOTOXIC EFFECTS OF STREPTOZOTOCIN AND N-NITROSOMETHYLUREA ON THE PANCREATIC B CELLS WITH SPECIAL REGARD TO THE ROLE OF NICOTINAMIDE-ADENINE DINUCLEOTIDE. Gunnarsson R, Berne C, Hellerstrom C *Biochem J* 140: 487-94, Jun 74 (Eng)

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[ALDOSTERONE EXCRETION IN PATIENTS WITH DIABETES MELLITUS DEPENDING ON THE DEGREE OF DECOMPENSATION] Khasanov EN *Probl Endokrinol (Mosk)* 20: 7-10, Sep-Oct 74 (Rus)

1.E.4.1 GLYCOSURIA, CHEMICALLY INDUCED

THE NATURE OF D-SERINE-INDUCED NEPHROTOXICITY. Ganote CE, Peterson DR, Carone FA *Am J Pathol* 77: 269-82, Nov 74 (Eng)

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A NONCULTURE METHOD FOR HOME FOLLOW-UP OF URINARY TRACT INFECTIONS IN CHILDHOOD. Todd J, McLain L, Duncan B, Brown M *J Pediatr* 85: 514-6, Oct 74 (Eng)

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[ROLE OF GLUCONEOGENESIS IN THE MAINTENANCE OF NORMOGLYCEMIA IN THE BODY OF ANIMALS WITH TRANSPLANTED TUMORS] Blinov VA, Shapot VS *Vopr Onkol* 20: 60-5, 1974 (Rus)

1.E.6.1 HYPOGLYCEMIA, BLOOD

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GLYCEROL INTOLERANCE IN A CHILD WITH INTERMITTENT HYPOGLYCEMIA. MacLaren NK, Cowles C, Ozand PT, Shuttce R, Cornblath M *J Pediatr* 86: 43-9, Jan 75 (Eng)

CARBOHYDRATE AND LIPID METABOLISM IN THE NEWBORN INFANT. Persson B *Acta Anaesthesiol Scand [Suppl]* 50-7, 1974 (Eng)

1.E.6.2 HYPOGLYCEMIA, CHEMICALLY INDUCED

NEW DRUG FOR SCHIZOPHRENIA Anonymous *Br Med J* 4: 614-5, 14 Dec 74 (Eng)

[HYPOGLYCEMIC SULFONAMIDES, KIDNEY FAILURE AND HYPOGLYCEMIC COMA] Akoun G, Beucler A, Pignard P *Cah Med* 15: 333-6, 15 Jun 74 (Fre)

SULFONYLUREA-INDUCED FACTITIOUS HYPOGLYCEMIA IN A NONDIABETIC NURSE. Wallfish PG, Kashyap RP, Greenstein S *Can Med Assoc J* 112: 71-2, 11 Jan 75 (Eng)

PHARMACOKINETIC MECHANISMS OF DRUG INTERACTIONS. Robinson DS *Can Med Assoc J* 112: 55-62, 8 Feb 75 (Eng)

ORAL DIAZOXIDE IN UNCONTROLLED MALIGNANT HYPERTENSION. Fang P, MacDonald I, Laver M, Hua A, Kincaid-Smith P *Med J Aust* 2: 621-4, 26 Oct 74 (Eng)

PHYSIOLOGICAL CONTROL OF GROWTH HORMONE IN THE RABBIT. McIntyre HB, Odell WD *Neuroendocrinology* 16: 8-21, 1974 (Eng)

KININS AND HYPOGLYCEMIC CONVULSIONS. Wisniewski K, Mackiewicz W *Pol J Pharmacol Pharm* 26: 611-5, Jul-Aug 74 (Eng)

GROWTH HORMONE RESPONSES TO HYPOGLYCEMIA IN POSTMENOPAUSAL DEPRESSED WOMEN. Gruen PH, Sachar EJ, Altman N, Sassin J *Arch Gen Psychiatry* 32: 31-3, Jan 75 (Eng)

1.E.6.3 HYPOGLYCEMIA, COMPLICATIONS

LETTER: HYPOGLYCAEMIA ASSOCIATED WITH INTRATHORACIC MESOTHELIOMA. Leung JS, Tang ST *Br Med J* 4: 657, 14 Dec 74 (Eng)

Diabetes Literature—Hierarchical Index

1.F DIABETES

VERY LOW BIRTHWEIGHT AND LATER INTELLIGENCE. Francis-Williams J, Davies PA *Dev Med Child Neurol* 16: 709-28, Dec 74 (Eng)

DRY SOCKET AND DYSGLYCEMIA. Ringsdorf WM Jr, Cheraskin E *J Dent Res* 54: 184, Jan-Feb 75 (Eng)

[CLINICAL DEMONSTRATIONS] Labhart A *Schweiz Med Wochenschr* 104: 1830-41, 14 Dec 74 (Ger)

[IMPORTANCE OF DIETETIC FACTORS IN MIGRAINE] Hubbe P *Ugeskr Laeger* 136: 2863-8, 16 Dec 74 (Dan) [50]

[THE HEMANGIOEPERICYTOMA OF THE KIDNEY (AUTHORS TRANSL.)] Ludwig G, Nuri M, Peters HJ, Munzenmeier R *Urologe [A]* 13: 284-8, Nov 74 (Ger)

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OCULAR AND FINGERTIP ABNORMALITIES IN ISOLATED GLUCOCORTICOID DEFICIENCY. Counahan R, West R *J Pediatr* 85: 580-1, Oct 74 (Eng)

[GLYCID METABOLISM DISORDER IN RENAL FAILURE, THERAPEUTIC SEQUELAE] Dzurik R, Cernacek P *Vnitř Lek* 21: 22-7, Jan 75 (Slo)

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ALCOHOL AND NERVOUS SYSTEM WITH SPECIAL REFERENCE TO THE ENOLIC NEUROPATHIES. Brage D, Garibaldi MD, Intaglietta J, Buenaventura I, Famulari A *Int J Neurol* 9: 173-85, 1974 (Eng)

THE EFFECTS OF FOUR DIFFERENT RADIANT WARMER TEMPERATURE SET-POINTS USED FOR REWARMING NEONATES. Motil KJ, Blackburn MG, Pleasure JR *J Pediatr* 85: 546-50, Oct 74 (Eng)

[CLINICAL DEMONSTRATIONS] Labhart A *Schweiz Med Wochenschr* 104: 1830-41, 14 Dec 74 (Ger)

NEONATAL HYPOGLYCEMIA CAUSED BY ISLET CELL HYPERPLASIA. A CASE REPORT. Haasbroek AC, Venter ID *S Afr J Surg* 12: 251-3, Dec 74 (Eng)

IMMUNOFLUORESCENCE, HISTOCHEMICAL AND ULTRASTRUCTURAL STUDIES FOR THE DETECTION OF MULTIPLE ENDOCRINE POLYPEPTIDE TUMOURS OF THE PANCREAS. Bordin C, Bussolati G *Virchows Arch [Zellpathol]* 17: 13-27, 1974 (Eng)

[GLYCID METABOLISM DISORDER IN RENAL FAILURE, THERAPEUTIC SEQUELAE] Dzurik R, Cernacek P *Vnitř Lek* 21: 22-7, Jan 75 (Slo)

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HYPOGLYCEMIA: A PERSPECTIVE. Berger H *Can Med Assoc J* 112: 81-5, 8 Feb 75 (Eng)

GLYCEROL INTOLERANCE IN A CHILD WITH INTERMITTENT HYPOGLYCEMIA. Maclaren NK, Cowles C, Ozand PT, Shuttee R, Cornblath M *J Pediatr* 86: 43-9, Jan 75 (Eng)

PHYSIOLOGICAL CONTROL OF GROWTH HORMONE IN THE RABBIT. McIntyre HB, Odell WD *Neuroendocrinology* 16: 8-21, 1974 (Eng)

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EDITORIAL: TEACHING DIABETICS TO LIVE WITH THEIR DIABETES. Anonymous *Del Med J* 47: 24, Jan 75 (Eng)

PHYSICIANS' GUIDELINES FOR THE DIABETIC IN INDUSTRY. Alexander RW, Tetrick L, Friedman GJ *J Occup Med* 16: 802-3, Dec 74 (Eng)

[REHABILITATION NURSING OF PATIENTS WITH CHRONIC DISEASES. BESIDE EDUCATION OF PATIENTS WITH DIABETES MELLITUS] Matsunaga K *Jpn J Nurs Art* 20: 57-66, Oct 74 (Jpn)

SHE ASKED: AM I GOING CRAZY Hashizume S *Nursing (Jenkintown)* 5: 12-5, Feb 75 (Eng)

WHY NOT BECOMES A DIABETES NURSE SPECIALIST Anonymous *Nursing (Jenkintown)* 5: 85-7, Feb 75 (Eng)

[PERIODIC HOSPITALIZATION OF PATIENTS WITH VASCULAR AND/OR METABOLIC HAZARDS] Lesobre B, Cathelineau G *Nouv Presse Med* 3: 2510-1, 9-23 Nov 74 (Fre)

[BIRTH CONTROL METHODS IN PSYCHIATRY] Audebert A, Empeiraire JC, Cohen J, Bourgeois M *Ann Med Psychol (Paris)* 2: 92-127, Jun 74 (Fre)

1.F.2.1 DIABETES MELLITUS, JUVENILE

DIABETES IN CHILDHOOD. Stimmler L *Guys Hosp Rep* 122: 17-23, 1973 (Eng)

[EARLY DIAGNOSIS AND PREVENTION OF DIABETES MELLITUS] Atzenhofer K, Schnetz H *Med Welt* 26: 95-102, 17 Jan 75 (Ger) [35]

A FOLLOW-UP OF BLIND DIABETIC PATIENTS. Berkow JW, Patz A, Fine S *Ann Ophthalmol* 7: 79-82, Jan 75 (Eng)

1.F.3 DIABETES, BIOCHEMISTRY RELATED

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[BEHAVIOR OF THE FATTY ACID PATTERN OF TRIGLYCERIDES IN LIVER PARENCHYMA AND DEPOT FATS IN DIABETIC PATIENTS IN RELATION TO FATTY LIVER] Singer P, Gnauck G, Thielke H, Honigsmann G, Buntrock P, Kettler LH *Dtsch Z Verdau Stoffwechselk* 34: 27-35, 1974 (Ger)

ENZYMES OF CARBOHYDRATE AND FAT METABOLISM IN ANTI-INSULIN SERUM DIABETES: INACTIVATION BY FREE FATTY ACIDS AND THE PROTECTIVE EFFECT OF CELLULAR PROTEIN. Shafir E, Ruderman NB *Diabetologia* 10: 731-42, Dec 74 (Eng)

INSULIN SECRETORY RESPONSE OF DIABETICS DURING THE PERIOD OF IMPROVEMENT OF GLUCOSE TOLERANCE TO NORMAL RANGE. Kosaka K, Hagura R, Kuzuya T, Kuzuya N *Diabetologia* 10: 775-82, Dec 74 (Eng)

EFFECT OF GLUCOSE LOADING ON SERUM GLYCOPROTEINS. Ghai RD, Pai ML, Shah CP, Srinivasan S *J Assoc Physicians India* 22: 597-600, Aug 74 (Eng)

CEREBRAL METABOLIC EFFECTS OF GLYCEROL INFUSION IN DIABETICS WITH STROKE. Meyer JS, Shimazu K, Ouchi T, Okamoto S, Koto A, Fukuchi Y, Ericsson AD *J Neurol Sci* 21: 1-22, Jan 74 (Eng)

[DISORDERS OF THE CARDIOVASCULAR SYSTEM IN PATIENTS WITH DIABETES MELLITUS] Klichko VR, Mazovetskii AG, Slavina LS *Kardiologiya* 14: 150-8, Oct 74 (Rus)

[DISORDERS OF CARBOHYDRATE TOLERANCE IN PATIENTS WITH CHRONIC AZOTEMIA] Kovac T, Lepanovic L, Tepavcic P *Med Arh* 28: 399-404, Jul-Aug 74 (Ser)

[ADAPTIVE IMPORTANCE OF GLUCONEOGENESIS IN HEALTHY AND DISEASED BODY (REVIEW)] Genes SG *Patol Fiziol Eksp Ter* 74-81, Nov-Dec 74 (Rus) [81]

[LETTER: FALL IN PLASMA TESTOSTERONE LEVELS DURING ORAL GLUCOSE TOLERANCE TEST] Cathelineau G, Roger M, Soldat MC *Nouv Presse Med* 3: 2109, 5 Oct 74 (Fre)

[THE ROLE OF ZINC BLOCKADE IN THE PATHOGENESIS OF DITHIZONE-INDUCED DIABETES] Lazaris IaA, Meiramon GG *Probl Endokrinol (Mosk)* 20: 90-4, Sep-Oct 74 (Rus)

METABOLIC EFFECT OF CONJUGATED OESTROGENS (USP) ON GLUCOSE TOLERANCE. Notelovitz M *S Afr Med J* 48: 2599-603, 21 Dec 74 (Eng)

[CONCEPT OF METABOLIC DEVIATIONS] Charvat AJ *Vnitř Lek* 21: 1-5, Jan 75 (Cze)

[INTESTINAL HORMONES IN DIABETES] Tsvetanov L *Vutr Boles* 13: 1-6, 1974 (Bul) [40]

Diabetes Literature—Hierarchical Index

1.F DIABETES

TRAUMA: HORMONAL FACTORS WITH SPECIAL REFERENCE TO DIABETES MELLITUS. Efendić S, Cerasi E, Luft R *Acta Anaesthesiol Scand [Suppl]* 107-19, 1974 (Eng)

1.F.3.2 DIABETES, ENZYMOLOGY

[LACTATE DEHYDROGENASE ISOENZYMES IN THE WALL OF THE RATS AORTA IN EXPERIMENTAL STREPTOZOTOCIN-DIABETES] Wohlrab F, Gotze J *Dtsch Z Verdau Stoffwechselkr* 34: 53-8, 1974 (Ger)

ERYTHROCYTE GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENCY IN DIABETES (MATURITY ONSET). Kher MM, Grover SD *J Assoc Physicians India* 22: 601-4, Aug 74 (Eng)

EFFECT OF CLOFIBRATE ADMINISTRATION ON PLASMA POST-HEPARIN LIPOLYTIC ACTIVITY IN MAN. Maruhama Y, Yanbe A, Abe R, Oneda A, Yamagata S *Tohoku J Exp Med* 113: 343-9, Aug 74 (Eng)

1.F.3.3 DIABETES, BLOOD

DEGREE OF ACETONAEMIA FOLLOWING EPINEPHRINE INFUSION TO DETERMINE BIOCHEMICAL CHARACTERIZATION OF DIABETES MELLITUS. Malik TK, Kumar V, Ahuja MM *Indian J Med Res* 62: 80-5, Jan 74 (Eng)

[NONSPECIFIC POSITIVE REACTIONS OF THE FTA-TEST] Meyer-Rohn J *Hautarzt* 25: 528-9, Nov 74 (Ger)

EFFECT OF GLUCOSE LOADING ON SERUM GLYCOPROTEINS. Ghai RD, Pai ML, Shah CP, Srinivasan S *J Assoc Physicians India* 22: 597-600, Aug 74 (Eng)

THE EFFECTS OF HIGH CARBOHYDRATE DIETS ON HYPERINSULINEMIC MONKEYS (MACACA MULATTA). Hamilton CL, Kuo PT, Feng L *J Med Primatol* 3: 276-84, 1974 (Eng)

NITROBLUE TETRAZOLIUM (NBT)-DYE TEST AND THE MYELOPEROXIDASE REACTION OF HUMAN LEUKOCYTES. Okuda K, Tadokoro I, Noguchi Y *Jpn J Microbiol* 18: 337-42, Sep 74 (Eng)

LETTER: SCREENING FOR DIABETES. Prout TE *Lancet* 1: 166-7, 18 Jan 75 (Eng)

EPIDEMIOLOGY OF DIABETES MELLITUS. Beaven DW, Arcus AC, Bell JP, Smith JR *NZ Med J* 80: 291-9, 9 Oct 74 (Eng)

LETTER: ORAL HYPOGLYCAEMIC AGENTS. Schneider T, Politzer WM *S Afr Med J* 48: 2577, 21 Dec 74 (Eng)

METABOLIC EFFECT OF CONJUGATED OESTROGENS (USP) ON GLUCOSE TOLERANCE. Notelovitz M *S Afr Med J* 48: 2599-603, 21 Dec 74 (Eng)

EFFECT OF CLOFIBRATE ADMINISTRATION ON PLASMA POST-HEPARIN LIPOLYTIC ACTIVITY IN MAN. Maruhama Y, Yanbe A, Abe R, Oneda A, Yamagata S *Tohoku J Exp Med* 113: 343-9, Aug 74 (Eng)

[EXOCRINE FUNCTION OF THE PANCREAS IN DIABETES MELLITUS] Kosenko NP *Vrach Delo* 42-5, Dec 74 (Rus)

[LONG-TERM STUDY OF ESSENTIAL BLOOD CORPUSCLE SEDIMENTATION VELOCITY] Schmidt HW *Z Allgemeinmed* 50: 1221-4, 10 Oct 74 (Ger)

STREPTOZOTOCIN-DIABETES IN THE CHINESE HAMSTER. LONG-TERM EFFECTS ON THE LIGHT MICROSCOPIC STRUCTURE OF THE PANCREATIC ISLET TISSUE, LIVER AND KIDNEY. Wilander E *Acta Pathol Microbiol Scand [A]* 82: 767-76, Nov 74 (Eng)

DIABETES MELLITUS--A MEMBRANE RECEPTOR DEFECT. Connelly PE, Turtle JR *Aust NZ J Med* 4: 228-36, Jun 74 (Eng)

1.F.3.4 DIABETES, URINE

[STUDY OF CATECHOLAMINE EXCRETION AFTER SINGLE ADMINISTRATION OF GLUCAGON IN DIABETICS (AUTHORS TRANSL.)] Razus M, Balazovjevch I, Kratochvilova H *Bratisl Lek Listy* 62: 701-10, Dec 74 (Slo)

THE DEVELOPMENT OF DIABETES FOLLOWING COXSACKIE B VIRUS INFECTION IN MICE. Coleman TJ, Taylor KW, Gamble DR *Diabetologia* 10: 755-9, Dec 74 (Eng)

[ALDOSTERONE EXCRETION IN PATIENTS WITH DIABETES MELLITUS DEPENDING ON THE DEGREE OF DECOMPENSATION] Khasanov EN *Probl Endokrinol (Mosk)* 20: 7-10, Sep-Oct 74 (Rus)

1.F.4 DIABETES, PHYSIOPATHOLOGY

PHYSICIANS GUIDELINES FOR THE DIABETIC IN INDUSTRY. Alexander RW, Tetrick L, Friedman GJ *J Occup Med* 16: 802-3, Dec 74 (Eng)

EDITORIAL: ORTHOSTATIC HYPOTENSION IN DIABETIC PATIENTS. Vaisrub S *JAMA* 231: 847, 24 Feb 75 (Eng)

LETTER: MANAGEMENT OF LIPOATROPHIC DIABETES. Upton GV, Corbin A, Mabry CC, Hollingsworth DR *N Engl J Med* 292: 592, 13 Mar 75 (Eng)

EPIDEMIOLOGY OF DIABETES MELLITUS. Beaven DW, Arcus AC, Bell JP, Smith JR *NZ Med J* 80: 291-9, 9 Oct 74 (Eng)

[CLINICAL EVALUATION OF THE ECG CHANGES IN DIABETES MELLITUS] Slavina LS, Mazovetskii AG, Okeanova TA *Probl Endokrinol (Mosk)* 20: 13-6, Sep-Oct 74 (Rus)

[CHANGES OF GASTRIC MUCOSA IN PATIENTS WITH MILD FORM OF DIABETES MELLITUS] Moskovich EG, Korsakova NA, Pogozheva AV *Probl Endokrinol (Mosk)* 20: 42, Sep-Oct 74 (Rus)

[ALDOSTERONE EXCRETION IN PATIENTS WITH DIABETES MELLITUS DEPENDING ON THE DEGREE OF DECOMPENSATION] Khasanov EN *Probl Endokrinol (Mosk)* 20: 7-10, Sep-Oct 74 (Rus)

EVALUATION OF PERIPHERAL VASCULAR DISEASE USING RADIOACTIVE XENON. Denaro JA, Weinstein G, Imparato AM, Braunstein P *Rev Surg* 32: 65-7, Jan-Feb 75 (Eng)

[EXOCRINE FUNCTION OF THE PANCREAS IN DIABETES MELLITUS] Kosenko NP *Vrach Delo* 42-5, Dec 74 (Rus)

PHYSICAL DEVELOPMENT AND PERFORMANCE CAPACITY IN A GROUP OF DIABETIC CHILDREN AND ADOLESCENTS. Hebbelink M, Loeb H, Meerseman H *Acta Paediatr Belg* 28 suppl: 151-61, 1974 (Eng)

DIABETES MELLITUS--A MEMBRANE RECEPTOR DEFECT. Connelly PE, Turtle JR *Aust NZ J Med* 4: 228-36, Jun 74 (Eng)

1.F.5 DIABETES, IMMUNOLOGY

[ACUTE DIABETIC SYNDROME INDUCED IN RATS BY ANTI-INSULIN SERUM AS AN EXPERIMENTAL MODEL FOR THE STUDY OF

SOME ANTIDIABETIC EFFECTS] Andreev D, Strashimirov S, Ditsov GD *Eksp Med Morfol* 13: 95-101, 1974 (Bul)

[ANTIBODIES AGAINST THERAPEUTIC ANIMAL INSULINS AND HOMOLOGOUS PROTEINS IN THE COURSE OF DIABETES IN CHILDREN AND ADOLESCENTS] Karczewska K *Med Dosw Mikrobiol* 26: 317-24, 1974 (Pol)

[INSULIN ANTIBODIES AND THE ACTUAL INSULIN REQUIREMENTS IN CHILDREN AND ADOLESCENTS WITH PRIMARY DIABETES] Karczewska K, Felus E, Panek G, Otto-Buczowska E, Dudziak Z *Med Dosw Mikrobiol* 26: 325-30, 1974 (Pol)

ANTIBODIES TO PANCREATIC ISLET CELLS IN INSULIN-DEPENDENT DIABETICS WITH COEXISTENT AUTOIMMUNE DISEASE. MacCuish AC, Irvine WJ, Barnes EW, Duncan LJ *Lancet* 2: 1529-31, 28 Dec 74 (Eng)

EDITORIAL: AUTOIMMUNE DIABETES MELLITUS. Anonymous *Lancet* 2: 1549-51, 28 Dec 74 (Eng)

[SIMULTANEOUS INCIDENCE OF DIABETES MELLITUS, CIRRHOTIC HEPATITIS AND 47, XX, 21&46, XX CHROMOSOME PICTURE] Barta L, Kemeny P, Regoly Mercei A *Orv Hetil* 116: 153-5, 19 Jan 75 (Hun)

IMMUNE INSULITIS AND MANIFEST DIABETES MELLITUS. STUDIES ON THE COURSE OF IMMUNE INSULITIS AND THE INDUCTION OF DIABETES MELLITUS IN RABBITS IMMUNIZED WITH INSULIN. Kloppe G, Altenahr E, Freytag G, Jansen FK *Virchows Arch [Pathol Anat]* 364: 333-46, 1974 (Eng)

DIABETES MELLITUS--A MEMBRANE RECEPTOR DEFECT. Connelly PE, Turtle JR *Aust NZ J Med* 4: 228-36, Jun 74 (Eng)

1.F.6 DIABETES COMPLICATIONS AND PATHOLOGY

1.F.6.1 DIABETIC KETOACIDOSIS

1.F.6.1.1 ACIDOSIS, DIABETIC

[HYPERKALEMIA] Le Gall JR *Nouv Presse Med* 3: 1391-2, 25 May 74 (Fre)

A STUDY OF THE EFFECTS OF NICOTINIC ACID IN CATTLE, WITH SPECIAL REFERENCE TO KETOSIS THERAPY. Nurmio P, Roine K, Juokslahti T, Loman A *Nord Vet Med* 26: 370-81, Jun 74 (Eng)

BOVINE KETOSIS. II. THERAPY AND BIOLOGICAL FACTORS OF SIGNIFICANCE FOR RECOVERY. Jongsard K, Hansen MA, Sognen E, Overby I *Nord Vet Med* 26: 362-9, Jun 74 (Eng)

BOVINE KETOSIS: A REVIEW WITH RECOMMENDATIONS FOR CONTROL AND TREATMENT. Baird GD, Heitzman RJ, Hibbitt KG, Hunter GD *Br Vet J* 130: 214-20, May-Jun 74 (Eng)

LETTER: TRANSPORT OF ORGANIC ACIDS ACROSS CELL MEMBRANE. Sable HZ *N Engl J Med* 291: 582, 12 Sep 74 (Eng)

LACTICACIDOSIS, KETOACIDOSIS, AND HYPERALANINAEMIA IN A PHENFORMIN-TREATED DIABETIC PATIENT. Ball S, Woods HF, Alberti KG *Br Med J* 4: 699-700, 21 Dec 74 (Eng)

DIABETES IN CHILDHOOD. Stimmler L *Guys Hosp Rep* 122: 17-23, 1973 (Eng)

1.F DIABETES

LETTER: THERAPY OF LACTIC ACIDOSIS. Freeman H, Campbell D *N Engl J Med* 292: 263-4, 30 Jan 75 (Eng)

CURRENT STATUS OF ESTROGEN ASSAYS IN OBSTETRICS AND GYNECOLOGY. 2: ESTROGEN ASSAYS IN LATE PREGNANCY. Beischer NA, Brown JB *Obstet Gynecol Surv* 27: 303-43, May 72 (Eng) [103]

[ADAPTIVE IMPORTANCE OF GLUCONEOGENESIS IN HEALTHY AND DISEASED BODY (REVIEW)] Genes SG *Patol Fiziol Eksp Ter* 74-81, Nov-Dec 74 (Rus) [81]

PARENTERAL NUTRITION. Jarrett F *Prog Surg* 13: 125-37, 1974 (Eng) [30]

[BONE-MARROW TOXICITY, LACTIC ACIDOSIS, AND DISSEMINATED INTRAVASCULAR COAGULATION FOLLOWING PHENFORMIN MEDICATION] Riedler GF, Keusch G, Schmid M *Schweiz Med Wochenschr* 104: 1160-6, 17 Aug 74 (Ger)

[RESEARCH ON THE IMPROVEMENT OF BIGUANIDE TOLERANCE] Puech H *Sem Hop Ther* 50: 463-6, Sep-Oct 74 (Fre)

[RUMEN ACIDOSIS AND THE DIABETIC SYNDROME IN CATTLE] Ivanov IT *Vet Med Nauki* 11: 59-63, 1974 (Bul)

[BIOCHEMICAL AND MORPHOLOGICAL STUDIES OF THE BLOOD AND LIVER IN COWS WITH KETOSIS] Simeonov S, Dimitrov A, Stoi-anov Kh *Vet Med Nauki* 11: 10-22, 1974 (Bul)

[CLINICAL PARAMETERS OF PLACENTAL EDEMA IN MATERNAL DIABETES MELLITUS] Emmrich P, Godel E, Amendt P *Zentralbl Gynaekol* 96: 1393-8, 1 Nov 74 (Ger)

1.F.6.1.2 DIABETIC COMA

DIABETIC CRISES IN CHILDREN TREATED WITH SMALL DOSES OF INTRAMUSCULAR INSULIN. Moseley J *Br Med J* 1: 59-61, 11 Jan 75 (Eng)

LETTER: TREATMENT OF D.I.C. COMPLICATING DIABETIC COMA. Weber AB *Br Med J* 1: 96, 11 Jan 75 (Eng)

[HYPOGLYCEMIC SULFONAMIDES, KIDNEY FAILURE AND HYPOGLYCEMIC COMA] Akoun G, Beucier A, Pignard P *Cah Med* 15: 333-6, 15 Jun 74 (Fre)

[HYPEROSMOLAR COMA] Stumpe KO, Kruck F *Med Klin* 69: 2051-62, 13 Dec 74 (Ger) [41]

[CONTRIBUTION OF THE WORK OF PROF. J. SYLLABA: TREATMENT OF DIABETIC COMA BASED ON OWN EXPERIENCES. PROJECT FOR THE UNIFICATION OF TREATMENT. VNITRN LEK. 20, 1974, 7: P.686-93] Pav J, Rosival V *Vnitř Lek* 20: 1215-8, Dec 74 (Cze)

1.F.6.2 DIABETIC ANGIOPATHIES

[ASPECTS OF AEROBIC RESPIRATION IN THE HEART AND AORTIC WALL IN THE EXPERIMENTAL RABBIT ATHEROSCLEROSIS (AUTHORS TRANSL)] Pinto G, Erlon L, Rodrigues A, Nery JW, Machado AE *Rev Bras Pesqui Med Biol* 7: 133-8, Mar-Apr 74 (Por)

[CARBOHYDRATES OR LIPIDS] Lutz W *Z Allgemeinmed* 50: 981-3, 10 Aug 74 (Ger)

[LETTER: PATHOGNOMONIC EFFECT OF INCREASED TRIGLYCERIDE VALUES] Knuchel F *Med Welt* 25: 1100, 14 Jun 74 (Ger)

[PROCEEDINGS: INCORPORATION OF 1-14C-OLEIC ACID IN SUBCELLULAR FRACTIONS OR NORMAL AND ATHEROSCLEROTIC HUMAN FEMORAL ARTERIES IN VITRO]

Horsch AK, Day AJ *Munch Med Wochenschr* 116: 1111-2, 31 May 74 (Ger)

[THICKENING OF THE AORTIC WALL IN EXPERIMENTAL CHOLESTEROL ARTERIOSCLEROSIS] Lusztig G, Mak L *Z Gesamte Inn Med* 29: 443-6, 1 Jun 74 (Ger)

DIET AND ATHEROSCLEROSIS. Grande F *S Afr Med J* 48: 1660-8, 14 Aug 74 (Eng) [62]

LETTER: DIET AND CORONARY HEART-DISEASE. Thompson G *Lancet* 2: 102, 13 Jul 74 (Eng)

LETTER: DIETARY FAT AND CORONARY HEART DISEASE. Briggs MH *Med J Aust* 1: 970-1, 15 Jun 74 (Eng)

THE EFFECT OF PENTAERYTHRITOL TETRANITRATE PRETREATMENT ON EXPERIMENTAL CORONARY OCCLUSION. Meester WD, Van Harn GL *Am Heart J* 88: 330-7, Sep 74 (Eng)

WHY BREAD IN THE DIET LOWERS SERUM CHOLESTEROL. Groen JJ *Proc Nutr Soc* 32: 159-67, Dec 73 (Eng)

[AGE CHARACTERISTICS OF LIPID METABOLISM IN HEALTHY PERSONS AND ARTERIOSCLEROTIC PATIENTS] Korneenkova AA, Romanova EV, Sartaev EB, Konina MN *Kardiologia* 14: 122-4, May 74 (Rus)

[DIABETIC MICROANGIOPATHY: COMPARISON BETWEEN MAN AND ANIMAL] Duhalut J, Lebon F, Boulanger M, Regnault F, Kern F *Biorheology* 11: 167-78, Jun 74 (Fre)

[TRIAL OF RESIVIT ON CONJUNCTIVAL CAPILLARY RESISTANCE] Bakri M *Bull Soc Ophthalmol Fr* 74: 259-61, Feb 74 (Fre)

[LACTATE DEHYDROGENASE ISOENZYMES IN THE WALL OF THE RATS AORTA IN EXPERIMENTAL STREPTOZOTOCIN-DIABETES] Wohlrab F, Gotze J *Dtsch Z Verdau Stoffwechselk* 34: 53-8, 1974 (Ger)

AORTIC VELOCITY AND ACCELERATION MEASUREMENTS IN THE ASSESSMENT OF CORONARY HEART DISEASE. Jewitt D, Gabe I, Mills C, Maurer B, Thomas M, Shillingford J *Eur J Cardiol* 1: 299-305, Mar 74 (Eng)

MICROCIRCULATION IN DIABETES MELLITUS: A STUDY OF GINGIVAL BIOPSIES. Lin JH, Duffy JL, Roginsky MS *Hum Pathol* 6: 77-96, Jan 75 (Eng)

DIABETES MELLITUS: AN UNDERESTIMATED PUBLIC HEALTH PROGRAM. Tokuhata GK, Miller W, Digon E, Hartman T *J Chronic Dis* 28: 23-35, Jan 75 (Eng)

ARTERIOSCLEROTIC CHANGES WITHIN THE DIABETIC ORAL VASCULATURE. Keene JJ *Jr J Dent Res* 54: 77-82, Jan-Feb 75 (Eng)

AN AMBULATORY APPROACH TO THE NEUROPATHIC ULCERATION. Brenner MA *J Am Podiatry Assoc* 64: 862-6, Nov 74 (Eng)

[DISORDERS OF THE CARDIOVASCULAR SYSTEM IN PATIENTS WITH DIABETES MELLITUS] Kliachko VR, Mazovetskii AG, Slavina LS *Kardiologia* 14: 150-8, Oct 74 (Rus)

[INSULIN SECRETION IN PATIENTS WITH CORONARY HEART DISEASE (AUTHORS TRANSL)] Schenk KE, Quabbe HJ, Bittner H, Sasse H, Schroder R *Klin Wochenschr* 52: 1053-9, 15 Nov 74 (Eng)

FACTORS INFLUENCING THE PROGNOSIS OF VASCULAR DISEASE IN INSULIN-DEFICIENT DIABETES OF LONG DURATION: A SEVEN-YEAR FOLLOW-UP. Martin FI, Warne GL *Metabolism* 24: 1-9, Jan 75 (Eng)

CARDIOVASCULAR EPIDEMIOLOGY IN NEW ZEALAND AND THE PACIFIC. Prior IA *NZ Med J* 80: 245-52, 25 Sep 74 (Eng)

EPIDEMIOLOGY OF DIABETES MELLITUS. Beaven DW, Arcus AC, Bell JP, Smith JR *NZ Med J* 80: 291-9, 9 Oct 74 (Eng)

ORAL CONTRACEPTION. A REVIEW OF REPORTED PHYSIOLOGICAL AND PATHOLOGICAL EFFECTS. Andrews WC *Obstet Gynecol Surv* 26: 477-99, Jul 71 (Eng) [174]

[EFFECT OF GLICLAZIDE ON PLATELET BEHAVIOR] Verry M, Dechavanne M, Desnoyers P, Stoltz JF, Vainer H *Nouv Presse Med* 3: 2099-100, 5 Oct 74 (Fre)

[CLINICAL EVALUATION OF THE ECG CHANGES IN DIABETES MELLITUS] Slavina LS, Mazovetskii AG, Okeanova TA *Probl Endokrinol (Mosk)* 20: 13-6, Sep-Oct 74 (Rus)

[THE RISK FACTORS OF CORONARY DISEASE] Di Matteo J, Fleury G *Rev Prat* 24: 5059-60, 5065-6, 5069-71, 7-11 Dec 74 (Fre)

[MYOCARDIAL INFARCT AS A CAUSE OF DEATH IN DIABETICS TREATED AT A HOSPITAL DEPARTMENT FOR INTERNAL DISEASES] Szulc EJ *Wiad Lek* 27: 205-7, 1 Feb 74 (Pol)

[CLINICAL PARAMETERS OF PLACENTAL EDEMA IN MATERNAL DIABETES MELLITUS] Emmrich P, Godel E, Amendt P *Zentralbl Gynaekol* 96: 1393-8, 1 Nov 74 (Ger)

THE TECUMSEH STUDY OF RESPIRATORY ILLNESS. VIII. ACUTE INFECTION IN CHRONIC RESPIRATORY DISEASE AND COMPARISON GROUPS. Monto AS, Higgins MW, Ross HW *Am Rev Respir Dis* 111: 27-36, Jan 75 (Eng)

1.F.6.3 DIABETIC NEPHROPATHIES

[DIABETIC MICROANGIOPATHY: COMPARISON BETWEEN MAN AND ANIMAL] Duhalut J, Lebon F, Boulanger M, Regnault F, Kern F *Biorheology* 11: 167-78, Jun 74 (Fre)

[CONCERNING THE RELATIONSHIP BETWEEN SERUM LIPIDS AND LIVER STEATOSIS IN DIABETIC RETINOPATHY AND NEPHROPATHY (AUTHORS TRANSL)] Kolesar P, Brixova E, Tomik F *Bratisl Lek Listy* 62: 662-9, Dec 74 (Slo)

PROCEEDINGS: THE KIDNEY IN DIABETES MELLITUS. Brewer DB *J Clin Pathol* 27: 928, Nov 74 (Eng)

[A CASE OF MULTIPLE RENAL PAPILLARY NECROSIS IN A DIABETIC] Viala JJ, Beaulieux J, Berard E *J Radiol Electrol Med Nucl* 55: 599-601, Aug-Sep 74 (Fre)

[ETIOLOGY OF DIABETIC NEPHROPATHY--A MORPHOLOGICAL APPROACH] Hirose K, Shishido H, Tsuchida H *Jpn J Clin Med* 32: 3148-55, Oct 74 (Jpn)

[DISORDERS OF THE CARDIOVASCULAR SYSTEM IN PATIENTS WITH DIABETES MELLITUS] Kliachko VR, Mazovetskii AG, Slavina LS *Kardiologia* 14: 150-8, Oct 74 (Rus)

[LETTER: STEROID-INDUCED DIABETES] Charpin J, Aubert J, Pellerer F, Vague P *Nouv Presse Med* 3: 1960, 21 Sep 74 (Fre)

THE STRUCTURE OF THE GLOMERULAR CAPILLARY BASEMENT MEMBRANE IN DIABETES MELLITUS WITH AND WITHOUT NEPHROTIC SYNDROME. Wehner H, Bohle A *Virchows Arch [Pathol Anat]* 364: 303-9, 1974 (Eng)

[QUANTITATIVE PATHOMORPHOLOGY OF THE GLOMERULI IN THE HUMAN KIDNEY]

Diabetes Literature—Hierarchical Index

1.F DIABETES

- Wehner H *Veroeff Morphol Pathol* 1-67, 1974 (Ger)
- [CLINICAL PARAMETERS OF PLACENTAL EDEMA IN MATERNAL DIABETES MELLITUS] Emmrich P, Godel E, Amendt P *Zentralbl Gynaekol* 96: 1393-8, 1 Nov 74 (Ger)
- #### 1.F.6.4 DIABETIC NEUROPATHIES
- PRACTICAL APPROACHES TO MANAGING PERIPHERAL NEUROPATHIES. McQuillen MP *Geriatrics* 30: 109-16, Jan 75 (Eng)
- DIABETIC NEUROPATHY IN INDIA. Chhuttani PN, Chawla LS *Indian J Med Res* 62: 99-109, Jan 74 (Eng)
- AN AMBULATORY APPROACH TO THE NEUROPATHIC ULCERATION. Brenner MA *J Am Podiatry Assoc* 64: 862-6, Nov 74 (Eng)
- NEUROPATHOLOGY OF THE OESOPHAGUS IN DIABETES MELLITUS. Smith B *J Neurol Neurosurg Psychiatry* 37: 1151-4, Oct 74 (Eng)
- MYELINATED FIBRES IN HUMAN PARAVENTRAL SYMPATHETIC CHAIN: WHITE RAMI COMMUNICANTS IN ALCOHOLIC AND DIABETIC PATIENTS. Appenzeller O, Ogin G *J Neurol Neurosurg Psychiatry* 37: 1155-61, Oct 74 (Eng)
- [NEUROPATHY IN DIABETES MELLITUS] Ilchevski S, Smilenova I, Minchev M *Vutr Boles* 13: 122-5, 1974 (Bul)
- [ULTRASTRUCTURAL STUDY OF PERIPHERAL NERVE IN 16 DIABETICS WITHOUT NEUROPATHY. COMPARISONS WITH 16 DIABETIC NEUROPATHIES AND 16 NON-DIABETIC NEUROPATHIES (AUTHORS TRANSL)] Vital C, Le Blanc M, Vallat JM, Cocquet M, Vallat M, Roques JC *Acta Neuropathol (Berl)* 30: 63-72, 1974 (Fre)
- #### 1.F.6.5 DIABETIC RETINOPATHY
- [DIABETIC MICROANGIOPATHY: COMPARISON BETWEEN MAN AND ANIMAL] Duhalault J, Lebon F, Boulanger M, Regnault F, Kern F *Biorheology* 11: 167-78, Jun 74 (Fre)
- [CONCERNING THE RELATIONSHIP BETWEEN SERUM LIPIDS AND LIVER STEATOSIS IN DIABETIC RETINOPATHY AND NEPHROPATHY (AUTHORS TRANSL)] Kolesar P, Brixova E, Tomik F *Bratisl Lek Listy* 62: 662-9, Dec 74 (Slo)
- [AN EXCEPTIONAL FORM OF DIABETIC RETINOPATHY: PATZ'S PAPILLOMACULOPATHY. APROPOS OF A CASE] Amalric P, Zayed A, Aubertin J *Bull Soc Ophthalmol Fr* 74: 201-5, Feb 74 (Fre)
- INSULIN SECRETORY RESPONSE OF DIABETICS DURING THE PERIOD OF IMPROVEMENT OF GLUCOSE TOLERANCE TO NORMAL RANGE. Kosaka K, Hagura R, Kuzuya T, Kuzuya N *Diabetologia* 10: 775-82, Dec 74 (Eng)
- EDITORIAL: THE CELL CYCLE, DIABETES, AND THE RETINA. Futterman S *Invest Ophthalmol* 14: 4-6, Jan 75 (Eng)
- [DISORDERS OF THE CARDIOVASCULAR SYSTEM IN PATIENTS WITH DIABETES MELLITUS] Kliachko VR, Mazovetskii AG, Slavina LS *Kardiologiya* 14: 150-8, Oct 74 (Rus)
- [HYALURONIC ACID AS VITREOUS BODY REPLACEMENT] Kloti R *Ophthalmologica* 165: 351-9, 1972 (Ger)
- [LETTER: STEROID-INDUCED DIABETES] Charpin J, Aubert J, Pellerey F, Vague P *Nouv Presse Med* 3: 1960, 21 Sep 74 (Fre)
- [OCULAR ULTRASONIC BLOOD RHEOGRAPHY WITH O-CROSS COUNTER. REPORT IV. STUDIES OF DIABETIC RETINOPATHY] Yamamoto Y, Hirano S, Kaburagi H, Tomota M, Sueno M *Acta Soc Ophthalmol Jpn* 78: 913-25, 10 Sep 74 (Jpn)
- [EFFECTS OF PHOTOCOAGULATION ON THE VELOCITY OF RETINAL CIRCULATION IN DIABETIC RETINOPATHY (AUTHORS TRANSL)] Okano T, Horiuchi T, Saruya S, Sugawara Y *Acta Soc Ophthalmol Jpn* 78: 926-38, 10 Sep 74 (Jpn)
- A FOLLOW-UP OF BLIND DIABETIC PATIENTS. Berkow JW, Patz A, Fine S *Ann Ophthalmol* 7: 79-82, Jan 75 (Eng)
- DIABETIC RETINOPATHY IN AN ADOLESCENT WITH PRADER-LABHART-WILLI SYNDROME. Savir A, Dickerman Z, Karp M, Laron Z *Arch Dis Child* 49: 963-4, Dec 74 (Eng)
- #### 1.F.6.6 OTHER COMPLICATIONS OF DIABETES
- LONG-TERM INFUSION OF GROWTH HORMONE RELEASE INHIBITING HORMONE IN ACROMEGALY: EFFECTS ON PITUITARY AND PANCREATIC HORMONES. Besser GM, Mortimer CH, McNeill AS, Thorner MO, Batistoni GA, Bloom SR, Kastrop KW, Hanssen KF, Hall R, Coy DH, Kastin AJ, Schally AV *Br Med J* 4: 622-7, 14 Dec 74 (Eng)
- [PYURIAS. DEFINITION] Anonymous *Cah Med* 15: 395-480, Jul 74 (Fre)
- LETTER: PAINFUL SHOULDER SYNDROME. Chaiton A *Can Med Assoc J* 111: 1299, 21 Dec 74 (Eng)
- HYPOGLYCEMIA: A PERSPECTIVE. Berger H *Can Med Assoc J* 112: 81-5, 8 Feb 75 (Eng)
- PREVENTION OF STROKE. Browder A, Browder J *Can Med Assoc J* 112: 91-7, 8 Feb 75 (Eng)
- THE SURGICAL TREATMENT OF PULMONARY COCCIDIOIDOMYCOSIS. Nelson AR *Curr Probl Surg* 11: 1-48, Oct 74 (Eng) [135]
- [MORPHOLOGICAL CHANGES OF THE LIVER IN METABOLIC DISORDERS] Wohlgemuth B *Dtsch Z Verdau Stoffwechselkr* 34: 17-22, 1974 (Ger)
- DIABETES IN CHILDHOOD. Stimmler L *Guys Hosp Rep* 122: 17-23, 1973 (Eng)
- APHAKIC MACULAR EDEMA: INCIDENCE AND PATHOGENESIS. Hitchings RA, Chisholm IH, Bird AC *Invest Ophthalmol* 14: 68-72, Jan 75 (Eng)
- ERYTHROCYTE GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENCY IN DIABETES (MATURITY ONSET). Kher MM, Grover SD *J Assoc Physicians India* 22: 601-4, Aug 74 (Eng)
- LETTER: ASYMPTOMATIC KIDNEY AND URINARY TRACT INFECTION IN INDIAN DIABETICS. Anonymous *J Assoc Physicians India* 22: 633-4, Aug 74 (Eng)
- DIABETES MELLITUS: AN UNDERESTIMATED PUBLIC HEALTH PROGRAM. Tokuhata GK, Miller W, Digon E, Hartman T *J Chronic Dis* 28: 23-35, Jan 75 (Eng)
- [LIPOATROPHIC DIABETES WITH FAT MALABSORPTION (AUTHORS TRANSL)] Imaizumi M, Takeuchi A, Yamaji T, Kitamura T, Akanuma Y *J Jpn Soc Intern Med* 63: 656-62, 10 Jul 74 (Jpn)
- CEREBRAL METABOLIC EFFECTS OF GLYCEROL INFUSION IN DIABETICS WITH STROKE. Meyer JS, Shimazu K, Ouchi T, Okamoto S, Koto A, Fukuuchi Y, Ericsson AD *J Neurol Sci* 21: 1-22, Jan 74 (Eng)
- COEXISTENCE OF DIABETES MELLITUS AND CELIAC DISEASE. Thain ME, Hamilton JR, Ehrlich RM *J Pediatr* 85: 527-9, Oct 74 (Eng)
- [A CASE OF MULTIPLE RENAL PAPILLARY NECROSIS IN A DIABETIC] Viala JJ, Beaulieux J, Berard E *J Radiol Electrol Med Nucl* 55: 599-601, Aug-Sep 74 (Fre)
- THE MEMPHIS CHRONIC DISEASE PROGRAM. COMPARISONS IN OUTCOME AND THE NURSES EXTENDED ROLE. Runyan JW *Jr JAMA* 231: 264-7, 20 Jan 75 (Eng)
- [ASSISTANCE OF PATIENTS WITH DIABETIC CATARACT] Anonymous *Jpn J Nurs Art* 20: 69-77, Aug 74 (Jpn)
- [DISORDERS OF THE CARDIOVASCULAR SYSTEM IN PATIENTS WITH DIABETES MELLITUS] Kliachko VR, Mazovetskii AG, Slavina LS *Kardiologiya* 14: 150-8, Oct 74 (Rus)
- [INSULIN SECRETION IN PATIENTS WITH CORONARY HEART DISEASE (AUTHORS TRANSL)] Schenk KE, Quabbe HJ, Bittner H, Sasse H, Schroder R *Klin Wochenschr* 52: 1053-9, 15 Nov 74 (Eng)
- ANTIBODIES TO PANCREATIC ISLET CELLS IN INSULIN-DEPENDENT DIABETICS WITH COEXISTENT AUTOIMMUNE DISEASE. MacCuish AC, Irvine WJ, Barnes EW, Duncan LJ *Lancet* 2: 1529-31, 28 Dec 74 (Eng)
- LETTER: MANAGEMENT OF LIPOATROPHIC DIABETES. Upton GV, Corbin A, Mabry CC, Hollingsworth DR *N Engl J Med* 292: 592, 13 Mar 75 (Eng)
- IDIOPATHIC FACIAL PARALYSIS (BELLS PALSY): FACTORS AFFECTING SEVERITY AND OUTCOME IN 446 PATIENTS. Adour KK, Wingerd J *Neurology (Minneapolis)* 24: 1112-6, Dec 74 (Eng)
- REDISTRIBUTION OF REGIONAL CEREBRAL BLOOD FLOW AFTER GLYCEROL INFUSION IN ACUTE CEREBRAL INFARCTION. Ott EO, Mathew NT, Meyer JS *Neurology (Minneapolis)* 24: 1117-26, Dec 74 (Eng)
- EPIDEMIOLOGY OF DIABETES MELLITUS. Beaven DW, Arcus AC, Bell JP, Smith JR *NZ Med J* 80: 291-9, 9 Oct 74 (Eng)
- [SIMULATED INCIDENCE OF DIABETES MELLITUS, CIRRHOTIC HEPATITIS AND 47, XX, 21&146, XX CHROMOSOME PICTURE] Barta L, Kemeny P, Regoly M *Orv Hetil* 116: 153-5, 19 Jan 75 (Hun)
- MACROGLOSSIA, TRANSIENT NEONATAL DIABETES MELLITUS AND INTRAUTERINE GROWTH FAILURE: A NEW DISTINCT ENTITY. Dacou-Voutetakis C, Anagnostakis D, Xanthou M *Pediatrics* 55: 127-31, Jan 75 (Eng)
- [VALUES OF MEAN ERYTHEMA-PRODUCING DOSES OF SOLAR RADIATION IN HEALTHY SUBJECTS AND DIABETICS] Ponikowska I, Marusik T, Tyczka S *Pol Tyg Lek* 30: 19-21, 6 Jan 75 (Pol)
- [STUDY OF 50 PURULENT NONTUBERCULOUS PLEURISIES SUBJECTED TO MEDICAL TREATMENT] Moigneteau C, Guillemet JM, Almazor M *Poumon Coeur* 30: 115-21, 1974 (Fre)
- EPISODIC WEAKNESS IN THYROTOXICOSIS. Isaacs B, Thomas E, Hall JA *Practitioner* 213: 69-72, Jul 74 (Eng)
- [COMPLICATION OF DIABETES MELLITUS BY PULMONARY TUBERCULOSIS IN MIDDLE-AGED AND OLD PATIENTS] Kordzakhia TP *Pril Endokrinol (Mosk)* 20: 10-2, Sep-Oct 74 (Rus)

1.F DIABETES

- [CLINICAL EVALUATION OF THE ECG CHANGES IN DIABETES MELLITUS] Slavina LS, Mazovetskii AG, Okanova TA *Probl Endokrinol (Mosk)* 20: 13-6, Sep-Oct 74 (Rus)
- [CHANGES OF GASTRIC MUCOSA IN PATIENTS WITH MILD FORM OF DIABETES MELLITUS] Moskovich EG, Korsakova NA, Pogozheva AV *Probl Endokrinol (Mosk)* 20: 42, Sep-Oct 74 (Rus)
- A CASE OF LIPOATROPHIC DIABETES. Griffiths HJ, Rossini AA *Radiology* 114: 329-30, Feb 75 (Eng)
- [THE RISK FACTORS OF CORONARY DISEASE] Di Matteo J, Fleury G *Rev Prat* 24: 5059-60, 5065-6, 5069-71, 7-11 Dec 74 (Fre)
- THE STRUCTURE OF THE GLOMERULAR CAPILLARY BASEMENT MEMBRANE IN DIABETES MELLITUS WITH AND WITHOUT NEPHROTIC SYNDROME. Wehner H, Bohle A *Virchows Arch [Pathol Anat]* 364: 303-9, 1974 (Eng)
- [MYOCARDIAL INFARCT AS A CAUSE OF DEATH IN DIABETICS TREATED AT A HOSPITAL DEPARTMENT FOR INTERNAL DISEASES] Szule EJ *Wiad Lek* 27: 205-7, 1 Feb 74 (Pol)
- [PEPTIC ULCER AND DIABETES] Grosse Von H *Zentralbl Chir* 99: 1239-42, 27 Sep 74 (Ger)
- FEMOROPERONEAL BYPASS: EVALUATION OF POTENTIAL FOR REVASCULARIZATION OF THE SEVERELY ISCHEMIC LOWER EXTREMITY. Reichle FA, Tyson RR *Ann Surg* 181: 182-5, Feb 75 (Eng)
- ## 1.F.6.7 DIABETES PATHOLOGY
- MICROCIRCULATION IN DIABETES MELLITUS: A STUDY OF GINGIVAL BIOPSIES. Lin JH, Duffy JL, Roginsky MS *Hum Pathol* 6: 77-96, Jan 75 (Eng)
- EDITORIAL: THE CELL CYCLE, DIABETES, AND THE RETINA. Futterman S *Invest Ophthalmol* 14: 4-6, Jan 75 (Eng)
- PROCEEDINGS: THE FREEZE-ETCHING APPROACH TO THE STUDY OF ISLET PATHOPHYSIOLOGY IN DIABETES. Orci L *J Clin Pathol* 27: 928, Nov 74 (Eng)
- PROCEEDINGS: THE KIDNEY IN DIABETES MELLITUS. Brewer DB *J Clin Pathol* 27: 928, Nov 74 (Eng)
- [EARLY DIAGNOSIS AND PREVENTION OF DIABETES MELLITUS] Atzenhofer K, Schnetz H *Med Welt* 26: 95-102, 17 Jan 75 (Ger) [35]
- THE STRUCTURE OF THE GLOMERULAR CAPILLARY BASEMENT MEMBRANE IN DIABETES MELLITUS WITH AND WITHOUT NEPHROTIC SYNDROME. Wehner H, Bohle A *Virchows Arch [Pathol Anat]* 364: 303-9, 1974 (Eng)
- [PEPTIC ULCER AND DIABETES] Grosse Von H *Zentralbl Chir* 99: 1239-42, 27 Sep 74 (Ger)
- [ULTRASTRUCTURAL STUDY OF PHERIPHERAL NERVE IN 16 DIABETICS WITHOUT NEUROPATHY. COMPARISONS WITH 16 DIABETIC NEUROPATHIES AND 16 NON-DIABETIC NEUROPATHIES (AUTHORS TRANSL.)] Vital C, Le Blanc M, Vallat JM, Cocquet M, Vallat M, Roques JC *Acta Neuropathol (Berl)* 30: 63-72, 1974 (Fre)
- STREPTOZOTOCIN-DIABETES IN THE CHINESE HAMSTER. LONG-TERM EFFECTS ON THE LIGHT MICROSCOPIC STRUCTURE OF THE PANCREATIC ISLET TISSUE, LIVER AND KIDNEY. Wilander E *Acta Pathol Microbiol Scand [A]* 82: 767-76, Nov 74 (Eng)
- THE LYMPHOCYTIC INFILTRATES IN THE EAR-LOBE SKIN OF DIABETICS. Posinovec J *Arch Dermatol Forsch* 251: 117-22, 1974 (Eng)
- DIABETES MELLITUS--A MEMBRANE RECEPTOR DEFECT. Connelly PE, Turtle JR *Aust NZ J Med* 4: 228-36, Jun 74 (Eng)
- ## 1.F.6.8 PREGNANCY IN DIABETES
- STUDIES ON THE LIPID METABOLISM USING 14C-1-PALMITATE IN FETAL RATS. Hummel L, Schirmeister W, Zimmermann T, Wagner H *Biol Neonate* 24: 289-305, 1974 (Eng)
- THE DEVELOPMENT OF PHOSPHOPYRUVATE CARBOXYLASE AND GLUCONEOGENESIS IN NEONATAL RATS. Pearce PH, Buirchell BJ, Weaver PK, Oliver IT *Biol Neonate* 24: 320-9, 1974 (Eng)
- UTILIZATION AND TURNOVER RATE OF FRUCTOSE DURING CONTINUOUS INTRAVENOUS INFUSION IN PRE-TERM AND TERM NEWBORNS IN DEPENDENCE ON AGE. Beyreiss K, Rautenbach M *Biol Neonate* 24: 330-43, 1974 (Eng)
- [VALUE OF ANATOMOPATHOLOGICAL EXAMINATION OF THE PLACENTA DURING THE LAST TRIMESTER OF PREGNANCY] Monrozier M, Sarraon MF *Cah Med* 15: 283-7, 15 Jun 74 (Fre)
- [PYURIAS. DEFINITION] Anonymous *Cah Med* 15: 395-480, Jul 74 (Fre)
- [DIABETES AND PREGNANCY] Troch F *FNIB* 52: 11-25, Aug 74 (Dut)
- TERATOGENIC EFFECTS OF ENVIRONMENTAL AGENTS ON EMBRYONIC DEVELOPMENT. Nanda R *Dent Clin North Am* 19: 181-9, Jan 75 (Eng)
- VERY LOW BIRTHWEIGHT AND LATER INTELLIGENCE. Francis-Williams J, Davies PA *Dev Med Child Neurol* 16: 709-28, Dec 74 (Eng)
- [HYDRAMNIOS AND GLUCOSE TOLERANCE: THE INCIDENCE OF HYDRAMNIOS IN 461 PREGNANT PATIENTS SUSPECTED OF DIABETES CORRELATED TO GLUCOSE TOLERANCE (AUTHORS TRANSL.)] Engelhardt W *Geburtshilfe Frauenheilkd* 34: 851-6, Oct 74 (Ger)
- GLUCOSE TOLERANCE IN MOTHERS OF OFFSPRING WITH CONGENITAL MALFORMATIONS. Goldman JA *Isr J Med Sci* 10: 1434-7, Nov 74 (Eng)
- CARBOHYDRATE METABOLISM IN PREGNANCY. XII. THE EFFECT OF ORAL GLUCOSE ON PLASMA CONCENTRATIONS OF HUMAN PLACENTAL LACTOGEN AND CHORIONIC GONADOTROPIN DURING LATE PREGNANCY IN NORMAL SUBJECTS AND GESTATIONAL DIABETICS. Surmaczynska BZ, Nitzan M, Metzger BE, Freinkel N *Isr J Med Sci* 10: 1481-6, Dec 74 (Eng)
- [NONSPECIFIC POSITIVE REACTIONS OF THE FTA-TEST] Meyer-Rohn J *Hautarzt* 25: 528-9, Nov 74 (Ger)
- CESAREAN SECTION IN THE MASSIVELY OBESE. Sicuranza BJ, Tisdall LH *J Reprod Med* 14: 10-1, Jan 75 (Eng)
- ORAL CONTRACEPTION. A REVIEW OF REPORTED PHYSIOLOGICAL AND PATHOLOGICAL EFFECTS. Andrews WC *Obstet Gynecol Surv* 26: 477-99, Jul 71 (Eng) [174]
- CURRENT STATUS OF ESTROGEN ASSAYS IN OBSTETRICS AND GYNECOLOGY. 2: ESTROGEN ASSAYS IN LATE PREGNANCY. Beischer NA, Brown JB *Obstet Gynecol Surv* 27: 303-43, May 72 (Eng) [103]
- ESTRIOL IN PREGNANCY. Ostergard DR *Obstet Gynecol Surv* 28: 215-31, Apr 73 (Eng) [201]
- OXYTOCIN CHALLENGE TEST IN MONITORING HIGH-RISK PREGNANCIES. Cooper JM, Soffronoff EC, Bolognese RJ *Obstet Gynecol* 45: 27-33, Jan 75 (Eng)
- ALPHA 1-ANTITRYPSIN IN AMNIOTIC FLUID. Guibaud S, Bonnet M, Thoulon JM, Dumont M *Obstet Gynecol* 45: 34-8, Jan 75 (Eng)
- [PREVENTION OF THE RESPIRATORY DISTRESS SYNDROME IN THE NEWBORN BY STEROID THERAPY OF THE MOTHER BEFORE DELIVERY] Jmre H, Istvan F, Szabolcs S, Karoly M *Orv Hetil* 116: 195-6, 26 Jan 75 (Hun)
- [QUANTITATION OF DIABETIC DISTURBANCES OF PLACENTAL MATURATION (AUTHORS TRANSL.)] Emmrich P, Godel E, Muller G *Pathol Microbiol (Basel)* 41: 253-65, 1974 (Ger)
- MACROGLOSSIA, TRANSIENT NEONATAL DIABETES MELLITUS AND INTRAUTERINE GROWTH FAILURE: A NEW DISTINCT ENTITY Ducou-Voutetakis C, Anagnostakis D, Xanthou M *Pediatrics* 55: 127-31, Jan 75 (Eng)
- SERUM INSULIN, GLUCOSE, AND FREE FATTY ACIDS IN THE COW AND FETUS DURING GESTATION. Grigsby JS, Oxender WD, Hafs HD, Britt DG, Merkel RA *Proc Soc Exp Biol Med* 147: 830-4, Dec 74 (Eng)
- [EFFECT OF GLUCAGON ON THE MUSCUL TONE OF THE DUODENAL WALL. RADIOLOGICAL USEFULNESS] Silvan Delgado M, Juanco Pedregal C, Gonzalez Tutor A, Fernandez Echevarria MA *Rev Esp Enferm Apar Dig* 44: 797-810, 15 Dec 74 (Spa)
- [CLINICAL PARAMETERS OF PLACENTAL EDEMA IN MATERNAL DIABETES MELLITUS] Emmrich P, Godel E, Amendt P *Zentralbl Gynaekol* 96: 1393-8, 1 Nov 74 (Ger)
- PROTEIN AND AMINO ACID METABOLISM AND REQUIREMENTS IN THE NEONATAL PERIOD. Lindblad BS *Acta Anaesthesiol Scand [Suppl]* 102-6, 1974 (Eng)
- CARBOHYDRATE AND LIPID METABOLISM IN THE NEWBORN INFANT. Persson B *Acta Anaesthesiol Scand [Suppl]* 50-7, 1974 (Eng)
- [EFFECT OF THE CONDITIONS OF INTRAUTERINE DEVELOPMENT ON THE ESTABLISHMENT OF EXTERNAL RESPIRATION AFTER BIRTH] Poliakov GP, Finkel ML *Akush Ginekol (Mosk)* 41-5, Mar 74 (Rus)
- [COURSE OF PREGNANCY AND LABOR IN DIABETES MELLITUS] Griaznova IM, Vtorova VG *Akush Ginekol (Mosk)* 58-62, May 74 (Rus)
- ## 1.F.7 DIABETES OCCURRENCE, ETIOLOGY AND RELATED TERMS
- ### 1.F.7.1 DIABETES, OCCURRENCE
- A METHOD FOR THE EPIDEMIOLOGIC STUDY OF EARLY DIABETES. Rand CG, Jackson RJ, Mackie CC *Can Med Assoc J* 111: 1312-4, 21 Dec 74 (Eng)
- EQUAL INCIDENCE OF ADULT-ONSET DIABETES AMONG ANCESTORS OF JUVENILE DIABETICS AND NONDIABETICS. Mac Donald MJ *Diabetologia* 10: 767-73, Dec 74 (Eng)
- COEXISTENCE OF DIABETES MELLITUS AND CELIAC DISEASE. Thain ME, Hamilton JR, Ehrlich RM *J Pediatr* 85: 527-9, Oct 74 (Eng)

Diabetes Literature—Hierarchical Index

1.F DIABETES

[CORTISONE DIABETES AND DIABETES IN DERMATOLOGY AND LEPROSY] El Amile A *Maroc Med* 54: 294-303, May 74 (Fre)

[EARLY DIAGNOSIS AND PREVENTION OF DIABETES MELLITUS] Atzenhofer K, Schnetz H *Med Welt* 26: 95-102, 17 Jan 75 (Ger) [35]

CARDIOVASCULAR EPIDEMIOLOGY IN NEW ZEALAND AND THE PACIFIC. Prior IA *NZ Med J* 80: 245-52, 25 Sep 74 (Eng)

EPIDEMIOLOGY OF DIABETES MELLITUS. Beaven DW, Arcus AC, Bell JP, Smith JR *NZ Med J* 80: 291-9, 9 Oct 74 (Eng)

DIABETES SCREENING WITH CORNEAL AESTHESIOMETER. Daubs JG *Am J Optom Physiol Opt* 52: 31-5, Jan 75 (Eng)

THE TECUMSEH STUDY OF RESPIRATORY ILLNESS. VIII. ACUTE INFECTION IN CHRONIC RESPIRATORY DISEASE AND COMPARISON GROUPS. Monto AS, Higgins MW, Ross HW *Am Rev Respir Dis* 111: 27-36, Jan 75 (Eng)

1.F.7.2 DIABETES, ETIOLOGY

THE DEVELOPMENT OF DIABETES FOLLOWING COXSACKIE B VIRUS INFECTION IN MICE. Coleman TJ, Taylor KW, Gamble DR *Diabetologia* 10: 755-9, Dec 74 (Eng)

DIABETES IN CHILDHOOD. Stimmler L *Guys Hosp Rep* 122: 17-23, 1973 (Eng)

PROCEEDINGS: VIRAL AND EPIDEMIOLOGICAL STUDIES. Gamble DR *J Clin Pathol* 27: 929, Nov 74 (Eng)

ANTIBODIES TO PANCREATIC ISLET CELLS IN INSULIN-DEPENDENT DIABETES WITH COEXISTING AUTOIMMUNE DISEASE. MacCush AC, Irvine WJ, Barnes EW, Duncan LJ *Lancet* 2: 1529-31, 28 Dec 74 (Eng)

[EARLY DIAGNOSIS AND PREVENTION OF DIABETES MELLITUS] Atzenhofer K, Schnetz H *Med Welt* 26: 95-102, 17 Jan 75 (Ger) [35]

FULMINANT ONSET OF DIABETES MELLITUS DURING AN ATTACK OF INFECTIOUS MONONUCLEOSIS. Burgess JA, Kirkpatrick KL, Menser MA *Med J Aust* 2: 706-7, 9 Nov 74 (Eng)

[HEPATIC CIRRHOSIS (NON HEMOCHROMATOSIC), DIABETES MELLITUS, II. INCIDENCE OF CHEMICAL DIABETES IN A GROUP OF 106 CIRRHOTIC PATIENTS] Cerdan Vallejo A, Martin Zurro A, Camunez Benjumea F, Ortiz Vazquez J *Rev Clin Esp* 134: 355-62, 31 Aug 74 (Spa)

[A CASE OF DISTURBANCE OF GLUCOSE METABOLISM REGULATION IN THE COURSE OF A BRUCELLA INFECTION] Bagriaci N, Oker C, Biyal F *Turk Tip Cemiy Mecm* 35: 136-44, 1969 (Tur)

[ENDOCRINE GLAND CHANGES IN A PATIENT WITH MORGAGNI-STEWART-MOREL SYNDROME] Koev D, Maleva E, Koeva L *Vutr Boles* 13: 125-9, 1974 (Bul)

DIABETES MELLITUS--A MEMBRANE RECEPTOR DEFECT. Connolly PE, Turtle JR *Aust NZ J Med* 4: 228-36, Jan 74 (Eng)

1.F.7.3 DIABETES, CONGENITAL

THE ABSENCE OF CATARACTS IN MICE WITH CONGENITAL HYPERGLYCEMIA. Varma SD, Kinoshita JH *Exp Eye Res* 19: 577-82, Dec 74 (Eng)

MACROGLOSSIA, TRANSIENT NEONATAL DIABETES MELLITUS AND INTRAUTERINE GROWTH FAILURE: A NEW DISTINCT EN-

TITY Dacou-Voutetakis C, Anagnostakis D, Xanthou M *Pediatrics* 55: 127-31, Jan 75 (Eng)

1.F.7.4 DIABETES, FAMILIAL AND GENETIC

EQUAL INCIDENCE OF ADULT-ONSET DIABETES AMONG ANCESTORS OF JUVENILE DIABETICS AND NONDIABETICS. Mac Donald MJ *Diabetologia* 10: 767-73, Dec 74 (Eng)

DIABETES IN CHILDHOOD. Stimmler L *Guys Hosp Rep* 122: 17-23, 1973 (Eng)

RACIAL VARIATION IN DIABETES MELLITUS IN JAPANESE AND CAUCASIANS LIVING IN HAWAII. Goodman MJ, Chung CS, Gilbert F *J Med Genet* 11: 328-34, Dec 74 (Eng)

EPIDEMIOLOGY OF DIABETES MELLITUS. Beaven DW, Arcus AC, Bell JP, Smith JR *NZ Med J* 80: 291-9, 9 Oct 74 (Eng)

[SOMATOTROPIN AND NONESTERIFIED FATTY ACID CONTENT DURING THE STANDARD GLUCOSE TOLERANCE TEST IN CHILDREN AND ADOLESCENTS FROM FAMILIES WITH THE HISTORY OF DIABETES MELLITUS] Stulii LA, Balabolkin MI, Rozhnov AA, Kasatkin IN, Smirnova LK *Probl Endokrinol (Mosk)* 20: 3-7, Sep-Oct 74 (Rus)

1.F.7.5 PREDIABETIC STATE

INSULIN SECRETORY RESPONSE OF DIABETICS DURING THE PERIOD OF IMPROVEMENT OF GLUCOSE TOLERANCE TO NORMAL RANGE. Kosaka K, Hagura R, Kuzuya T, Kuzuya N *Diabetologia* 10: 775-82, Dec 74 (Eng)

[HYDRAMNIOS AND GLUCOSE TOLERANCE: THE INCIDENCE OF HYDRAMNIOS IN 461 PREGNANT PATIENTS SUSPECTED OF DIABETES CORRELATED TO GLUCOSE TOLERANCE (AUTHORS TRANSL)] Engelhardt W *Geburtshilfe Frauenheilkd* 34: 851-6, Oct 74 (Ger)

MICROCIRCULATION IN DIABETES MELLITUS: A STUDY OF GINGIVAL BIOPSIES. Lin JH, Duffy JL, Roginsky MS *Hum Pathol* 6: 77-96, Jan 75 (Eng)

[INSULIN SECRETION IN PATIENTS WITH CORONARY HEART DISEASE (AUTHORS TRANSL)] Schenk KE, Quabbe HJ, Bittner H, Sasse H, Schroder R *Klin Wochenschr* 52: 1053-9, 15 Nov 74 (Eng)

[SOMATOTROPIN AND NONESTERIFIED FATTY ACID CONTENT DURING THE STANDARD GLUCOSE TOLERANCE TEST IN CHILDREN AND ADOLESCENTS FROM FAMILIES WITH THE HISTORY OF DIABETES MELLITUS] Stulii LA, Balabolkin MI, Rozhnov AA, Kasatkin IN, Smirnova LK *Probl Endokrinol (Mosk)* 20: 3-7, Sep-Oct 74 (Rus)

[COURSE OF PREGNANCY AND LABOR IN DIABETES MELLITUS] Griaznova IM, Vitorova VG *Akush Ginekol (Mosk)* 58-62, May 74 (Rus)

1.F.8 DIABETES, DIAGNOSIS RELATED

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DEGREE OF ACETONAEMIA FOLLOWING EPINEPHRINE INFUSION TO DETERMINE

BIOCHEMICAL CHARACTERIZATION OF DIABETES MELLITUS. Malik TK, Kumar V, Ahuja MM *Indian J Med Res* 62: 80-5, Jan 74 (Eng)

HEALTH CARE PROBLEMS OF THE AMERICAN INDIANS. Rabau ES, Erickson CJ *ISA Trans* 13: 319-25, 1974 (Eng)

PHYSICIANS GUIDELINES FOR THE DIABETIC IN INDUSTRY. Alexander RW, Tetrick L, Friedman GJ *J Occup Med* 16: 802-3, Dec 74 (Eng)

LETTER: SCREENING FOR DIABETES. Prout TE *Lancet* 1: 166-7, 18 Jan 75 (Eng)

EDITORIAL: AUTOIMMUNE DIABETES MELLITUS. Anonymous *Lancet* 2: 1549-51, 28 Dec 74 (Eng)

[EARLY DIAGNOSIS AND PREVENTION OF DIABETES MELLITUS] Atzenhofer K, Schnetz H *Med Welt* 26: 95-102, 17 Jan 75 (Ger) [35]

[FAMILIAL OCCURRENCE OF FAHRS SYNDROME] Pernhaupt G, Tschabitscher H, Wessely P *Nervenarzt* 45: 647-53, Dec 74 (Ger)

EPIDEMIOLOGY OF DIABETES MELLITUS. Beaven DW, Arcus AC, Bell JP, Smith JR *NZ Med J* 80: 291-9, 9 Oct 74 (Eng)

DIABETES SCREENING WITH CORNEAL AESTHESIOMETER. Daubs JG *Am J Optom Physiol Opt* 52: 31-5, Jan 75 (Eng)

1.F.9 DIABETES, THERAPY RELATED

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[EARLY DIAGNOSIS AND PREVENTION OF DIABETES MELLITUS] Atzenhofer K, Schnetz H *Med Welt* 26: 95-102, 17 Jan 75 (Ger) [35]

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[HYDRAMNIOS AND GLUCOSE TOLERANCE: THE INCIDENCE OF HYDRAMNIOS IN 461 PREGNANT PATIENTS SUSPECTED OF DIABETES CORRELATED TO GLUCOSE TOLERANCE (AUTHORS TRANSL)] Engelhardt W *Geburtshilfe Frauenheilkd* 34: 851-6, Oct 74 (Ger)

CESAREAN SECTION IN THE MASSIVELY OBESE. Sicuranza BJ, Tisdall LH *J Reprod Med* 14: 10-1, Jan 75 (Eng)

[INSULIN SECRETION IN PATIENTS WITH CORONARY HEART DISEASE (AUTHORS TRANSL)] Schenk KE, Quabbe HJ, Bittner H, Sasse H, Schroder R *Klin Wochenschr* 52: 1053-9, 15 Nov 74 (Eng)

[EARLY DIAGNOSIS AND PREVENTION OF DIABETES MELLITUS] Atzenhofer K, Schnetz H *Med Welt* 26: 95-102, 17 Jan 75 (Ger) [35]

RENAL CONSERVATION OF KETONE BODIES DURING STARVATION. Sapir DG, Owen OE *Metabolism* 24: 23-33, Jan 75 (Eng)

THE EFFECT OF A LOW-CALORIE DIET WITH AND WITHOUT FENFLURAMINE ON THE GLUCOSE TOLERANCE AND INSULIN SECRETION OF OBESE MATURITY-ONSET DIABETICS. Dykes JR *Postgrad Med J* 49: 318-24, May 73 (Eng)

[RESEARCH ON THE IMPROVEMENT OF BIGUANIDE TOLERANCE] Puech H *Sem Hop Ther* 50: 463-6, Sep-Oct 74 (Fre)

1.F.9.2.2 GLUCOSE, THERAPEUTIC USE

[HYPERKALEMIA] Le Gall JR *Nouv Presse Med* 3: 1391-2, 25 May 74 (Fre)

AMINO ACID METABOLISM IN ACUTE RENAL FAILURE: INFLUENCE OF INTRAVENOUS ESSENTIAL L-AMINO ACID HYPERALIMENTATION THERAPY. Abel RM, Shih VE, Abbott WM, Beck CH Jr, Fischer JE *Ann Surg* 180: 350-5, Sep 74 (Eng)

BOVINE KETOSIS. II. THERAPY AND BIOLOGICAL FACTORS OF SIGNIFICANCE FOR RECOVERY. Jonsgard K, Hansen MA, Sognen E, Overby I *Nord Vet Med* 26: 362-9, Jun 74 (Eng)

LACTICACIDOSIS, KETOACIDOSIS, AND HYPERALANINAEMIA IN A PHENFORMIN-TREATED DIABETIC PATIENT. Ball S, Woods HF, Alberti KG *Br Med J* 4: 699-700, 21 Dec 74 (Eng)

[HYPEROSMOLAR COMA] Stumpe KO, Kruck F *Med Klin* 69: 2051-62, 13 Dec 74 (Ger) [41]

LETTER: THERAPY OF LACTIC ACIDOSIS. Freeman H, Campbell D *N Engl J Med* 292: 263-4, 30 Jan 75 (Eng)

[MEDICAL TREATMENT OF MYOCARDIAL INFARCT IN THE ACUTE PHASE] Trigano JA, Torresani J, Jouve A *Rev Prat* 24: 5019-20, 5023-4, 5029-30 *passim*, 7-11 Dec 74 (Fre)

1.F.9.2.3 DIET

[CARBOHYDRATES OR LIPIDS] Lutz W Z *Allgemeinmed* 50: 981-3, 10 Aug 74 (Ger)

[EFFECT OF LOW-CALORIE DIET ON LIPOLYTIC ENZYMES AND OTHER INDEXES AND PSYCHOLOGICAL BEHAVIOR OF CHILDREN WITH ORDINARY OBESITY] Szczepski O, Walczak M, Korman E, Socha J, Waligora A, Waligora Z *Endokrynol Pol* 25: 31-42, Jan-Feb 74 (Pol)

[SPEED OF IRREVERSIBLE IN VIVO DEGRADATION OF FREE L-ISOLEUCINE. EFFECT OF GROWTH HORMONE] Wellers G, Chevan J *C R Acad Sci [D] (Paris)* 277: 2735-8, 17 Dec 74 (Fre)

[THICKENING OF THE AORTIC WALL IN EXPERIMENTAL CHOLESTEROL ARTERIOSCLEROSIS] Lusztig G, Mak L Z *Gesamte Inn Med* 29: 443-6, 1 Jun 74 (Ger)

DIET AND ATHEROSCLEROSIS. Grande F S *Afr Med J* 48: 1660-8, 14 Aug 74 (Eng) [62]

FEEDING BEHAVIOUR IN OBESITY. Ries W *Proc Nutr Soc* 32: 187-93, Dec 73 (Eng)

LETTER: DIET AND CORONARY HEART-DISEASE. Thompson G *Lancet* 2: 102, 13 Jul 74 (Eng)

THE SACCHARINE DISEASE. Cleave TL *Nurs Times* 70: 1274-5, 15 Aug 74 (Eng)

WHY BREAD IN THE DIET LOWERS SERUM CHOLESTEROL. Groen JJ *Proc Nutr Soc* 32: 159-67, Dec 73 (Eng)

AN EXCHANGE DIET FOR YOUR PATIENTS. Solomon N *Md State Med J* 23: 47-50, Jul 74 (Eng)

REGULATION OF FATTY-ACID SYNTHESIS IN HIGHER ANIMALS. Numa S *Ergeb Physiol* 69: 54-96, 1974 (Eng) [229]

THE ABSENCE OF CATARACTS IN MICE WITH CONGENITAL HYPERGLYCEMIA. Varma SD, Kinoshita JH *Exp Eye Res* 19: 577-82, Dec 74 (Eng)

RACIAL VARIATION IN DIABETES MELLITUS IN JAPANESE AND CAUCASIANS LIVING IN

HAWAII. Goodman MJ, Chung CS, Gilbert F *J Med Genet* 11: 328-34, Dec 74 (Eng)

DECREASED GLUCAGON ACTIVITY: A MECHANISM FOR GENETIC AND ACQUIRED ENDOGENOUS HYPERLIPAEEMIA. Eaton RP, Schade DS, Conway M *Lancet* 2: 1545-7, 28 Dec 74 (Eng)

COMPETITION BETWEEN PHLORIZIN AND GOLD THIOGLUCOSE FOR GLUCORECEPTOR CELL TRANSPORT MECHANISMS IN THE HYPOTHALAMUS. Anonymous *Nutr Rev* 33: 23-5, Jan 75 (Eng) [5]

CARDIOVASCULAR EPIDEMIOLOGY IN NEW ZEALAND AND THE PACIFIC. Prior IA *NZ Med J* 80: 245-52, 25 Sep 74 (Eng)

THE EFFECT OF A LOW-CALORIE DIET WITH AND WITHOUT FENFLURAMINE, AND FENFLURAMINE ALONE ON THE GLUCOSE TOLERANCE AND INSULIN SECRETION OF OVERWEIGHT NON-DIABETICS. Dykes JR *Postgrad Med J* 49: 314-7, May 73 (Eng)

THE EFFECT OF A LOW-CALORIE DIET WITH AND WITHOUT FENFLURAMINE ON THE GLUCOSE TOLERANCE AND INSULIN SECRETION OF OBSE Maturity-ONSET DIABETICS. Dykes JR *Postgrad Med J* 49: 318-24, May 73 (Eng)

[IMPORTANCE OF DIETETIC FACTORS IN MIGRAINE] Hubbe P *Ugeskr Laeger* 136: 2863-8, 16 Dec 74 (Dan) [50]

1.F.9.2.4 DIABETIC DIET

[DISORDERS OF THE CARDIOVASCULAR SYSTEM IN PATIENTS WITH DIABETES MELLITUS] Kliachko VR, Mazovetskii AG, Slavina LS *Kardiologia* 14: 150-8, Oct 74 (Rus)

THE ORAL HYPOGLYCEMIC AGENTS IN THE TREATMENT OF DIABETES MELLITUS. Tucci JR *RI Med J* 57: 510-1, 516, Dec 74 (Eng)

LETTER: ORAL HYPOGLYCAEMIC AGENTS. Schneider T, Politzer WM S *Afr Med J* 48: 2577, 21 Dec 74 (Eng)

[COURSE OF PREGNANCY AND LABOR IN DIABETES MELLITUS] Griaznova IM, Vtorova VG *Akush Ginekol (Mosk)* 58-62, May 74 (Rus)

1.F.9.2.5 DIETARY CARBOHYDRATES

DIET AND ATHEROSCLEROSIS. Grande F S *Afr Med J* 48: 1660-8, 14 Aug 74 (Eng) [62]

FACTORY ACCIDENTS AND CARBOHYDRATE SUPPLEMENTS. Brooke JD, Toogood S *Proc Nutr Soc* 32: 94a-95a, Dec 73 (Eng)

THE SACCHARINE DISEASE. Cleave TL *Nurs Times* 70: 1274-5, 15 Aug 74 (Eng)

WHY BREAD IN THE DIET LOWERS SERUM CHOLESTEROL. Groen JJ *Proc Nutr Soc* 32: 159-67, Dec 73 (Eng)

THE EFFECTS OF HIGH CARBOHYDRATE DIETS ON HYPERINSULINEMIC MONKEYS (MACACA MULATTA). Hamilton CL, Kuo PT, Feng L *J Med Primatol* 3: 276-84, 1974 (Eng)

DECREASED GLUCAGON ACTIVITY: A MECHANISM FOR GENETIC AND ACQUIRED ENDOGENOUS HYPERLIPAEEMIA. Eaton RP, Schade DS, Conway M *Lancet* 2: 1545-7, 28 Dec 74 (Eng)

NORMAL CARBOHYDRATE METABOLISM AND CARBOHYDRATE METABOLISM IN TRAUMA. Hultman E, Bergstrom J, Nilsson LH *Acta Anaesthesiol Scand [Suppl]* 28-49, 1974 (Eng)

EFFECTS OF FRUCTOSE, SUCROSE AND GLUCOSE FEEDING ON PLASMA INSULIN CON-

1.F DIABETES

CENTRATIONS AND ON ADIPOSE-TISSUE CLEARING-FACTOR LIPASE ACTIVITY IN THE RAT. Cryer A, Riley SE, Williams ER, Robinson DS *Biochem J* 140: 561-63, Jun 74 (Eng)

1.F.9.2.6 DIETARY FATS

[DIGESTION, ABSORPTION AND DISTRIBUTION OF DIETARY LIPIDS] Ghirardi P, Marzo A *Recent Prog Med (Roma)* 53: 552-64, Dec 72 (Ita)

CURRENT STUDIES ON RELATION OF FAT TO HEALTH. Kummerow FA *J Am Oil Chem Soc* 51: 255-9, Jun 74 (Eng)

DIET AND ATHEROSCLEROSIS. Grande F S *Afr Med J* 48: 1660-8, 14 Aug 74 (Eng) [62]

FEEDING BEHAVIOUR IN OBESITY. Ries W *Proc Nutr Soc* 32: 187-93, Dec 73 (Eng)

LETTER: DIET AND CORONARY HEART-DISEASE. Thompson G *Lancet* 2: 102, 13 Jul 74 (Eng)

LETTER: DIETARY FAT AND CORONARY HEART DISEASE. Briggs MH *Med J Aust* 1: 970-1, 15 Jun 74 (Eng)

WHY BREAD IN THE DIET LOWERS SERUM CHOLESTEROL. Groen JJ *Proc Nutr Soc* 32: 159-67, Dec 73 (Eng)

EFFECT OF LIPIDS ON GLUCAGON SECRETION IN MAN. Andrews SS, Lopez-S A, Blackard WG *Metabolism* 24: 35-44, Jan 75 (Eng)

EFFECT OF INTRAVENOUSLY ADMINISTERED GLUCOSE ON GLUCAGON AND INSULIN SECRETION DURING FAT ABSORPTION. Dobbs R, Faloona GR, Unger RH *Metabolism* 24: 69-75, Jan 75 (Eng)

1.F.9.2.7 CYCLAMATES

1.F.9.2.8 SACCHARIN

CHANGES IN THE RATS PREFERENCE FOR SACCHARIN AND SODIUM CHLORIDE SOLUTIONS FOLLOWING INJECTION OF ALLOXAN MONOHYDRATE. Brookshire KH *J Comp Physiol Psychol* 87: 1061-8, Dec 74 (Eng)

FUNCTION OF THE ONSET OF ILLNESS IN THE PREFERENCE CHANGES OF ALLOXAN-DIABETIC RATS. Brookshire KH *J Comp Physiol Psychol* 87: 1069-72, Dec 74 (Eng)

1.F.9.3 DIABETES, INSULIN AND THERAPY

1.F.9.3.1 INSULIN, ADMINISTRATION AND DOSAGE

DIABETIC CRISES IN CHILDREN TREATED WITH SMALL DOSES OF INTRAMUSCULAR INSULIN. Moseley J *Br Med J* 1: 59-61, 11 Jan 75 (Eng)

INFLUENCE OF INSULIN ON SENSITIVITY TO TETRODOTOXIN OF ISOLATED CHICK EMBRYO HEART CELLS IN CULTURE. Le Douarin G, Renaud JF, Renaud D, Coraboeuf E *J Mol Cell Cardiol* 6: 523-9, Dec 74 (Eng)

[INSULIN ANTIBODIES AND THE ACTUAL INSULIN REQUIREMENTS IN CHILDREN AND ADOLESCENTS WITH PRIMARY DIABETES] Karczewska K, Felus E, Panek G, Otto-Buczowska E, Dudziak Z *Med Dosw Mikrobiol* 26: 325-30, 1974 (Pol)

LETTER: THERAPY OF LACTIC ACIDOSIS. Freeman H, Campbell D *N Engl J Med* 292: 263-4, 30 Jan 75 (Eng)

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1.F DIABETES

- [CONTRIBUTION OF THE WORK OF PROF. J. SYLLABA: TREATMENT OF DIABETIC COMA BASED ON OWN EXPERIENCES. PROJECT FOR THE UNIFICATION OF TREATMENT. VNITRNI LEK. 20,1974,7: P.686-93] Pav J, Rosival V *Vnitř Lek* 20: 1215-8, Dec 74 (Cze)
- HYPERALIMENTATION.** Kinney JM *Acta Anaesthesiol Scand [Suppl]* 127-30, 1974 (Eng)
- 1.F.9.3.2 INSULIN, THERAPEUTIC USE**
- DIABETIC CRISES IN CHILDREN TREATED WITH SMALL DOSES OF INTRAMUSCULAR INSULIN.** Moseley J *Br Med J* 1: 59-61, 11 Jan 75 (Eng)
- LACTICACIDOSIS, KETOACIDOSIS, AND HYPERALANINAEMIA IN A PHENFORMIN-TREATED DIABETIC PATIENT.** Ball S, Woods HF, Alberti KG *Br Med J* 4: 699-700, 21 Dec 74 (Eng)
- STUDIES ON WHOLE-BODY POTASSIUM IN NON-KETOACIDOTIC DIABETICS BEFORE AND AFTER TREATMENT.** Walsh CH, Soler NG, James H, Fitzgerald MG, Malins JM *Br Med J* 4: 738-40, 28 Dec 74 (Eng)
- [DIABETICS FROM A MEDICAL INSTITUTION AND A REGIONAL COLLECTIVE FROM THE VIEW POINT OF PATIENT PARTICIPATION IN THE THERAPEUTIC REGIMEN] Dub O, Brozek I, Nykodym P, Kreze A *Cas Lek Cesk* 113: 1389-93, 7 Nov 74 (Cze)
- THE CLINICAL SIGNIFICANCE OF HIGHLY PURIFIED PIG-INSULIN PREPARATIONS.** Deckert T, Andersen OO, Poulsen JE *Diabetologia* 10: 703-8, Dec 74 (Eng)
- DIABETES IN CHILDHOOD.** Stimmler L *Gust Hosp Rep* 122: 17-23, 1973 (Eng)
- NEUROPATHOLOGY OF THE OESOPHAGUS IN DIABETES MELLITUS.** Smith B *J Neurol Neurosurg Psychiatry* 37: 1151-4, Oct 74 (Eng)
- [ANTIBODIES AGAINST THERAPEUTIC ANIMAL INSULINS AND HOMOLOGOUS PROTEINS IN THE COURSE OF DIABETES IN CHILDREN AND ADOLESCENTS] Karczewska K *Med Dosw Mikrobiol* 26: 317-24, 1974 (Pol)
- [INSULIN ANTIBODIES AND THE ACTUAL INSULIN REQUIREMENTS IN CHILDREN AND ADOLESCENTS WITH PRIMARY DIABETES] Karczewska K, Felus E, Panek G, Otto-Buczowska E, Dudziak Z *Med Dosw Mikrobiol* 26: 325-30, 1974 (Pol)
- ANTIBODIES TO PANCREATIC ISLET CELLS IN INSULIN-DEPENDENT DIABETICS WITH COEXISTENT AUTOIMMUNE DISEASE.** MacCuish AC, Irvine WJ, Barnes EW, Duncan LJ *Lancet* 2: 1529-31, 28 Dec 74 (Eng)
- WHATS NEW FOR DIABETES** Burman KD *Med Times* 103: 123-4, 126, 128 *passim*, Jan 75 (Eng)
- FACTORS INFLUENCING THE PROGNOSIS OF VASCULAR DISEASE IN INSULIN-DEFICIENT DIABETES OF LONG DURATION: A SEVEN-YEAR FOLLOW-UP.** Martin FI, Warne GL *Metabolism* 24: 1-9, Jan 75 (Eng)
- [HYPEROSMOLAR COMA] Stumpe KO, Kruck F *Med Klin* 69: 2051-62, 13 Dec 74 (Ger) [41]
- THE ANTIFUNGAL ACTIVITY OF NORMAL AND HOST-COMPROMISED SALIVA ON SPACEFLIGHT FOLLOW-UP PHENOTYPES.** Dublin M, Volz PA, Bulmer GS *Mycopathol Mycol Appl* 54: 499-516, 18 Dec 74 (Eng)
- LETTER: THERAPY OF LACTIC ACIDOSIS.** Freeman H, Campbell D *N Engl J Med* 292: 263-4, 30 Jan 75 (Eng)
- EPISODIC WEAKNESS IN THYROTOXICOSIS.** Isaacs B, Thomas E, Hall JA *Practitioner* 213: 69-72, Jul 74 (Eng)
- [COMPLICATION OF DIABETES MELLITUS BY PULMONARY TUBERCULOSIS IN MIDDLE-AGED AND OLD PATIENTS] Kordzakhia TP *Probl Endokrinol (Mosk)* 20: 10-2, Sep-Oct 74 (Rus)
- [MEDICAL TREATMENT OF MYOCARDIAL INFARCT IN THE ACUTE PHASE] Trigano JA, Torresani J, Jouve A *Rev Prat* 24: 5019-20, 5023-4, 5029-30 *passim*, 7-11 Dec 74 (Fre)
- [CONTRIBUTION OF THE WORK OF PROF. J. SYLLABA: TREATMENT OF DIABETIC COMA BASED ON OWN EXPERIENCES. PROJECT FOR THE UNIFICATION OF TREATMENT. VNITRNI LEK. 20,1974,7: P.686-93] Pav J, Rosival V *Vnitř Lek* 20: 1215-8, Dec 74 (Cze)
- [NEUROPATHY IN DIABETES MELLITUS] Ilchevski S, Smilenova I, Minchev M *Vutr Boles* 13: 122-5, 1974 (Bul)
- [COURSE OF PREGNANCY AND LABOR IN DIABETES MELLITUS] Griaznova IM, Vtorova VG *Akush Ginekol (Mosk)* 58-62, May 74 (Rus)
- DIABETIC RETINOPATHY IN AN ADOLESCENT WITH PRADER-LABHART-WILLI SYNDROME.** Savir A, Dickerman Z, Karp M, Laron Z *Arch Dis Child* 49: 963-4, Dec 74 (Eng)
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- [HYPOGLYCEMIC SULFONAMIDES, KIDNEY FAILURE AND HYPOGLYCEMIC COMA] Akoun G, Beucler A, Pignard P *Cah Med* 15: 333-6, 15 Jun 74 (Fre)
- [DIABETICS FROM A MEDICAL INSTITUTION AND A REGIONAL COLLECTIVE FROM THE VIEW POINT OF PATIENT PARTICIPATION IN THE THERAPEUTIC REGIMEN] Dub O, Brozek I, Nykodym P, Kreze A *Cas Lek Cesk* 113: 1389-93, 7 Nov 74 (Cze)
- NEUROPATHOLOGY OF THE OESOPHAGUS IN DIABETES MELLITUS.** Smith B *J Neurol Neurosurg Psychiatry* 37: 1151-4, Oct 74 (Eng)
- [SIDE EFFECTS OF THE HYPOGLYCEMIC AGENTS (AUTHORS TRANSL.)] Chen SG *J Nurs (Taipei)* 21: 23-4, Jul 74 (Chi)
- [DISORDERS OF THE CARDIOVASCULAR SYSTEM IN PATIENTS WITH DIABETES MELLITUS] Kliachko VR, Mazovetskii AG, Slavina LS *Kardiologiya* 14: 150-8, Oct 74 (Rus)
- NEW ZEALAND COMMITTEE ON ADVERSE DRUG REACTIONS: NINTH ANNUAL REPORT 1974.** McQueen EG *NZ Med J* 80: 305-11, 9 Oct 74 (Eng)
- [EFFECT OF GLICLAZIDE ON PLATELET BEHAVIOR] Verry M, Dechavanne M, Desnoyers P, Stoltz JF, Vainer H *Nouv Presse Med* 3: 2099-100, 5 Oct 74 (Fre)
- THE ORAL HYPOGLYCEMIC AGENTS IN THE TREATMENT OF DIABETES MELLITUS.** Tucci JR *RI Med J* 57: 510-1, 516, Dec 74 (Eng)
- [LIFE STYLE, SURVEILLANCE AND TREATMENT OF THE RECOVERED INFARCT PATIENT] Guize L *Rev Prat* 24: 5131-6, 7-11 Dec 74 (Fre)
- [GLYCID METABOLISM DISORDER IN RENAL FAILURE. THERAPEUTIC SEQUELAE] Dzurik R, Cernacek P *Vnitř Lek* 21: 22-7, Jan 75 (Slo)
- [NEW COMPOUNDS AND REACTIONS OF SULFONAMIDES WITH AMINES. XIV. HYPOGLYCEMIC PROPERTIES OF SOME DERIVATIVES OF N-(BENZENESULFONYL)-DELTA-2-PYRAZOLINE-1-CARBOXAMIDE] Brzozowski Z, Angielski S, Wojcikowski C *Acta Pol Pharm* 31: 601-6, 1974 (Pol)
- EFFECTS OF SYNTHALIN ON MITOCHONDRIAL FUNCTIONS.** Maina G, Mwheia N *Biochem Pharmacol* 24: 529-33, 15 Feb 75 (Eng)
- 1.F.9.4.2 TOLBUTAMIDE**
- ZINC AND INSULIN CONTENT IN PANCREATIC ISLETS OF RATS AFTER ADMINISTRATION OF HYPOGLYCEMIC SULFONAMIDES.** Lazaris YA, Kuts LG, Bavel'skii ZE *Bull Exp Biol Med* 77: 647-9, Dec 74 (Eng)
- SULFONYLUREA-INDUCED FACTITIOUS HYPOGLYCEMIA IN A NONDIABETIC NURSE.** Wallfish PG, Kashyap RP, Greenstein S *Can Med Assoc J* 112: 71-2, 11 Jan 75 (Eng)
- HYPOGLYCEMIA: A PERSPECTIVE.** Berger H *Can Med Assoc J* 112: 81-5, 8 Feb 75 (Eng)
- [ACUTE DIABETIC SYNDROME INDUCED IN RATS BY ANTI-INSULIN SERUM AS AN EXPERIMENTAL MODEL FOR THE STUDY OF SOME ANTIDIABETIC EFFECTS] Andreev D, Strashimirov S, Ditsov GD *Eksp Med Morfol* 13: 95-101, 1974 (Bul)
- ENZYME-INDUCED MODIFICATIONS OF BETA CELL FUNCTION. I. EFFECT OF PRONASE ON INSULIN SECRETION.** Lambert AE, Henquin JC, Orci L, Renold AE *Eur J Clin Invest* 4: 459-68, 5 Dec 74 (Eng)
- THE IMMEDIATE INSULIN SECRETORY RESPONSE OF THE ISOLATED PERFUSED RAT PANCREAS TO TOLBUTAMIDE AND GLUCOSE.** Lenzen S *FEBS Lett* 49: 407-8, 1 Jan 75 (Eng)
- SIGNIFICANCE OF ACID AMYLOGLYCOSIDASE IN SULFONYLUREA-INDUCED INSULIN RELEASE.** Lundquist I *Diabetologia* 10: 717-24, Dec 74 (Eng)
- INSULIN SECRETORY RESPONSE OF DIABETICS DURING THE PERIOD OF IMPROVEMENT OF GLUCOSE TOLERANCE TO NORMAL RANGE.** Kosaka K, Hagura R, Kuzuya T, Kuzuya N *Diabetologia* 10: 775-82, Dec 74 (Eng)
- [DISORDERS OF CARBOHYDRATE TOLERANCE IN PATIENTS WITH CHRONIC AZOTEMIA] Kovac T, Lepsanovic L, Tepavcovic P *Med Arh* 28: 399-404, Jul-Aug 74 (Ser)
- WHATS NEW FOR DIABETES** Burman KD *Med Times* 103: 123-4, 126, 128 *passim*, Jan 75 (Eng)
- [EARLY DIAGNOSIS AND PREVENTION OF DIABETES MELLITUS] Atzenhofer K, Schnetz H *Med Welt* 26: 95-102, 17 Jan 75 (Ger) [35]
- ENDOGENOUS AND EXOGENOUS INSULIN RESPONSES IN PATIENTS WITH CYSTIC FIBROSIS.** Wilmshurst EG, Soeldner JS, Holsclaw DS, Kaufmann RL, Shwachman H, Aoki TT, Gleason RE *Pediatrics* 55: 75-82, Jan 75 (Eng)
- DIABETES MELLITUS—A MEMBRANE RECEPTOR DEFECT.** Connolly PE, Tjrlle JR *Aust NZ J Med* 4: 228-36, Jan 74 (Eng)
- THE STIMULUS-SECRETION COUPLING OF GLUCOSE-INDUCED INSULIN RELEASE—XVII. EFFECTS OF SULFONYLUREAS AND**

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DIAZOXIDE ON INSULAR BIOSYNTHETIC ACTIVITY. Levy J, Malaisse WJ *Biochem Pharmacol* 24: 235-9, 15 Jan 75 (Eng)

1.F.9.4.3 OTHER SULFONYL-UREA DERIVATIVES

ZINC AND INSULIN CONTENT IN PANCREATIC ISLETS OF RATS AFTER ADMINISTRATION OF HYPOGLYCEMIC SULFONAMIDES. Lazaris YA, Kuts LG, Buvetskii ZE *Bull Exp Biol Med* 77: 647-9, Dec 74 (Eng)

LONG-TERM INFUSION OF GROWTH HORMONE RELEASE INHIBITING HORMONE IN ACROMEGALY: EFFECTS ON PITUITARY AND PANCREATIC HORMONES. Besser GM, Mortimer CH, McNeill AS, Thorne MO, Batistoni GA, Bloom SR, Kastrup KW, Hanssen KF, Hall R, Coy DH, Kastin AJ, Schally AV *Br Med J* 4: 622-7, 14 Dec 74 (Eng)

LONGITUDINAL STUDY OF UNTREATED CHEMICAL DIABETES. Logie AW, Stowers JM, Dingwall-Fordyce I *Br Med J* 4: 630-2, 14 Dec 74 (Eng)

LACTICACIDOSIS, KETOACIDOSIS, AND HYPERALANINAEMIA IN A PHENFORMIN-TREATED DIABETIC PATIENT. Ball S, Woods HF, Alberti KG *Br Med J* 4: 699-700, 21 Dec 74 (Eng)

SULFONYLUREA-INDUCED FACTITIOUS HYPOGLYCEMIA IN A NONDIABETIC NURSE. Wallich PG, Kashyap RP, Greenstein S *Can Med Assoc J* 112: 71-2, 11 Jan 75 (Eng)

[ADRENAL RESERVE IN DIABETES INSIPIDUS TREATED WITH CHLORPROPAMIDE] Mazanek E, Zalewski J, Kowalski S, Panek E, Starzewska H *Endokrynol Pol* 26: 17-20, Jan-Feb 75 (Pol)

SIGNIFICANCE OF ACID AMYLOGLUCOSIDASE IN SULFONYLUREA-INDUCED INSULIN RELEASE. Lundquist I *Diabetologia* 10: 717-24, Dec 74 (Eng)

CHLORPROPAMIDE HYPONATREMIA. Danchaivijitr S, Tandanand S *J Med Assoc Thai* 57: 496-9, Oct 74 (Eng)

LETTER: A TREATMENT FOR DIABETES INSIPIDUS. Johnston AL *NZ Med J* 80: 315, 9 Oct 74 (Eng)

EFFECT OF CLOFIBRATE ADMINISTRATION ON PLASMA POST-HEPARIN LIPOLYTIC ACTIVITY IN MAN. Maruhama Y, Yanbe A, Abe R, Oneda A, Yamagata S *Tohoku J Exp Med* 113: 343-9, Aug 74 (Eng)

1.F.9.4.4 PHENFORMIN

LACTICACIDOSIS, KETOACIDOSIS, AND HYPERALANINAEMIA IN A PHENFORMIN-TREATED DIABETIC PATIENT. Ball S, Woods HF, Alberti KG *Br Med J* 4: 699-700, 21 Dec 74 (Eng)

EFFECT OF GLUCOSE LOADING ON SERUM GLYCOPROTEINS. Ghai RD, Pai ML, Shah CP, Srinivasan S *J Assoc Physicians India* 22: 597-600, Aug 74 (Eng)

[HYPOFIBRINOLYSIS IN ACUTE MYOCARDIAL INFARCTION (AUTHORS TRANSL)] Bruhn HD, Jipp P, Okoye S, Oltmann A *Med Klin* 69: 1951-5, 22 Nov 74 (Ger)

[BONE-MARROW TOXICITY, LACTIC ACIDOSIS, AND DISSEMINATED INTRAVASCULAR COAGULATION FOLLOWING PHENFORMIN MEDICATION] Riedler GF, Keusch G, Schmid M *Schweiz Med Wochenschr* 104: 1160-6, 17 Aug 74 (Ger)

LETTER: ORAL HYPOGLYCAEMIC AGENTS. Schneider T, Politzer WM *S Afr Med J* 48: 2577, 21 Dec 74 (Eng)

1.F.9.4.5 OTHER BIGUANIDES

STUDIES ON WHOLE-BODY POTASSIUM IN NON-KETOACIDOTIC DIABETICS BEFORE AND AFTER TREATMENT. Walsh CH, Soler NG, James H, Fitzgerald MG, Malins JM *Br Med J* 4: 738-40, 28 Dec 74 (Eng)

[RESEARCH ON THE IMPROVEMENT OF BIGUANIDE TOLERANCE] Puech H *Sem Hop Ther* 50: 463-6, Sep-Oct 74 (Fre)

EFFECTS OF SYNTHALIN ON MITOCHONDRIAL FUNCTIONS. Maina G, Mwehina N *Biochem Pharmacol* 24: 529-33, 15 Feb 75 (Eng)

1.F.9.5 DIABETES DRUG THERAPY

LONGITUDINAL STUDY OF UNTREATED CHEMICAL DIABETES. Logie AW, Stowers JM, Dingwall-Fordyce I *Br Med J* 4: 630-2, 14 Dec 74 (Eng)

LACTICACIDOSIS, KETOACIDOSIS, AND HYPERALANINAEMIA IN A PHENFORMIN-TREATED DIABETIC PATIENT. Ball S, Woods HF, Alberti KG *Br Med J* 4: 699-700, 21 Dec 74 (Eng)

STUDIES ON WHOLE-BODY POTASSIUM IN NON-KETOACIDOTIC DIABETICS BEFORE AND AFTER TREATMENT. Walsh CH, Soler NG, James H, Fitzgerald MG, Malins JM *Br Med J* 4: 738-40, 28 Dec 74 (Eng)

[DIABETICS FROM A MEDICAL INSTITUTION AND A REGIONAL COLLECTIVE FROM THE VIEW POINT OF PATIENT PARTICIPATION IN THE THERAPEUTIC REGIMEN] Dub O, Brozek I, Nykodym P, Kreze A *Cas Lek Cesk* 113: 1389-93, 7 Nov 74 (Cze)

[TRIAL OF RESIVIT ON CONJUNCTIVAL CAPILLARY RESISTANCE] Bakri M *Bull Soc Ophthalmol Fr* 74: 259-61, Feb 74 (Fre)

THE CLINICAL SIGNIFICANCE OF HIGHLY PURIFIED PIG-INSULIN PREPARATIONS. Deckert T, Andersen OO, Poulsen JE *Diabetologia* 10: 703-8, Dec 74 (Eng)

EFFECT OF GLUCOSE LOADING ON SERUM GLYCOPROTEINS. Ghai RD, Pai ML, Shah CP, Srinivasan S *J Assoc Physicians India* 22: 597-600, Aug 74 (Eng)

MEDICATION USE AND MISUSE: PHYSICIAN-PATIENT DISCREPANCIES. Hulka BS, Kupper LL, Cassel JC, Efrid RL *J Chronic Dis* 28: 7-21, Jan 75 (Eng)

CHLORPROPAMIDE HYPONATREMIA. Danchaivijitr S, Tandanand S *J Med Assoc Thai* 57: 496-9, Oct 74 (Eng)

NEUROPATHOLOGY OF THE OESOPHAGUS IN DIABETES MELLITUS. Smith B *J Neurol Neurosurg Psychiatry* 37: 1151-4, Oct 74 (Eng)

[DISORDERS OF THE CARDIOVASCULAR SYSTEM IN PATIENTS WITH DIABETES MELLITUS] Kliachko VR, Mazovetskii AG, Slavina LS *Kardiologiya* 14: 150-8, Oct 74 (Rus)

[ANTIBODIES AGAINST THERAPEUTIC ANIMAL INSULINS AND HOMOLOGOUS PROTEINS IN THE COURSE OF DIABETES IN CHILDREN AND ADOLESCENTS] Karczewska K *Med Dosw Mikrobiol* 26: 317-24, 1974 (Pol)

[INSULIN ANTIBODIES AND THE ACTUAL INSULIN REQUIREMENTS IN CHILDREN AND ADOLESCENTS WITH PRIMARY DIABETES] Karczewska K, Felus E, Panek G, Otto-Buczowska E, Dudziak Z *Med Dosw Mikrobiol* 26: 325-30, 1974 (Pol)

ANTIBODIES TO PANCREATIC ISLET CELLS IN INSULIN-DEPENDENT DIABETICS WITH COEXISTENT AUTOIMMUNE DISEASE. MacCuish AC, Irvine WJ, Barnes EW, Duncan LJ *Lancet* 2: 1529-31, 28 Dec 74 (Eng)

FACTORS INFLUENCING THE PROGNOSIS OF VASCULAR DISEASE IN INSULIN-DEFICIENT DIABETES OF LONG DURATION: A SEVEN-YEAR FOLLOW-UP. Martin FI, Warne GL *Metabolism* 24: 1-9, Jan 75 (Eng)

THE ANTIFUNGAL ACTIVITY OF NORMAL AND HOST-COMPROMISED SALIVA ON SPACEFLIGHT FUNGAL PHENOTYPES. Dublin M, Volz PA, Bulmer GS *Mycopathol Mycol Appl* 54: 499-516, 18 Dec 74 (Eng)

LETTER: MANAGEMENT OF LIPOATROPHIC DIABETES. Upton GV, Corbin A, Mabry CC, Hollingsworth DR *N Engl J Med* 292: 592, 13 Mar 75 (Eng)

[EFFECT OF GLICLAZIDE ON PLATELET BEHAVIOR] Verry M, Dechavanne M, Desnoyers P, Stoltz JF, Vainer H *Nouv Presse Med* 3: 2099-100, 5 Oct 74 (Fre)

EPISODIC WEAKNESS IN THYROTOXICOSIS. Isaacs B, Thomas E, Hall JA *Practitioner* 213: 69-72, Jul 74 (Eng)

[COMPLICATION OF DIABETES MELLITUS BY PULMONARY TUBERCULOSIS IN MIDDLE-AGED AND OLD PATIENTS] Kordzakhia TP *Probl Endokrinol (Mosk)* 20: 10-2, Sep-Oct 74 (Rus)

[BONE-MARROW TOXICITY, LACTIC ACIDOSIS, AND DISSEMINATED INTRAVASCULAR COAGULATION FOLLOWING PHENFORMIN MEDICATION] Riedler GF, Keusch G, Schmid M *Schweiz Med Wochenschr* 104: 1160-6, 17 Aug 74 (Ger)

[RESEARCH ON THE IMPROVEMENT OF BIGUANIDE TOLERANCE] Puech H *Sem Hop Ther* 50: 463-6, Sep-Oct 74 (Fre)

LETTER: ORAL HYPOGLYCAEMIC AGENTS. Schneider T, Politzer WM *S Afr Med J* 48: 2577, 21 Dec 74 (Eng)

EFFECT OF CLOFIBRATE ADMINISTRATION ON PLASMA POST-HEPARIN LIPOLYTIC ACTIVITY IN MAN. Maruhama Y, Yanbe A, Abe R, Oneda A, Yamagata S *Tohoku J Exp Med* 113: 343-9, Aug 74 (Eng)

[GLIBORNURID (GLUTRIL, ROCHE)] Worm J *Ugeskr Laeger* 136: 2763-4, 2 Dec 74 (Dan)

[INTESTINE AND LIVER-PROTECTIVE THERAPY] Kremer H *Z Allgemeinmed* 50: 1252-5, 10 Oct 74 (Ger)

DIABETIC RETINOPATHY IN AN ADOLESCENT WITH PRADER-LABHART-WILLI SYNDROME. Savir A, Dickerman Z, Karp M, Laron Z *Arch Dis Child* 49: 963-4, Dec 74 (Eng)

1.F.9.6 DIABETES THERAPY

[DIABETICS FROM A MEDICAL INSTITUTION AND A REGIONAL COLLECTIVE FROM THE VIEW POINT OF PATIENT PARTICIPATION IN THE THERAPEUTIC REGIMEN] Dub O, Brozek I, Nykodym P, Kreze A *Cas Lek Cesk* 113: 1389-93, 7 Nov 74 (Cze)

[ACUTE DIABETIC SYNDROME INDUCED IN RATS BY ANTI-INSULIN SERUM AS AN EXPERIMENTAL MODEL FOR THE STUDY OF SOME ANTIDIABETIC EFFECTS] Andreev D, Strashimirov S, Ditsov GD *Eksp Med Morfol* 13: 95-101, 1974 (Bul)

DIABETES IN CHILDHOOD. Stimmler L *Guys Hosp Rep* 122: 17-23, 1973 (Eng)

Diabetes Literature—Hierarchical Index

1.F DIABETES

[A DAY CENTER FOR DIABETICS] King B, Spaulding WB, Wright AD *Infirm Can* 17: 28-32, Jan 75 (Fre)

THE MEMPHIS CHRONIC DISEASE PROGRAM. COMPARISONS IN OUTCOME AND THE NURSES EXTENDED ROLE. Runyan JW Jr *JAMA* 231: 264-7, 20 Jan 75 (Eng)

WHATS NEW FOR DIABETES Burman KD *Med Times* 103: 123-4, 126, 128 *passim*, Jan 75 (Eng)

[EARLY DIAGNOSIS AND PREVENTION OF DIABETES MELLITUS] Atzenhofer K, Schnetz H *Med Welt* 26: 95-102, 17 Jan 75 (Ger) [35]

THE ORAL HYPOGLYCEMIC AGENTS IN THE TREATMENT OF DIABETES MELLITUS. Tucci JR *RI Med J* 57: 510-1, 516, Dec 74 (Eng)

[TOWARDS A BETTER KNOWLEDGE OF THE ACTION MECHANISM OF THERMAL SODIUM BICARBONATE THERAPY AT VALS-LES-BAINS IN DIABETES] Alland A, Vague P *Sem Hop Ther* 50: 291-5, Apr 74 (Fre)

1.F.9.7 DIABETES, RADIOGRAPHY

A CASE OF LIPOATROPHIC DIABETES. Griffiths HJ, Rossini AA *Radiology* 114: 329-30, Feb 75 (Eng)

1.F.9.8 DIABETES, SURGERY

1.F.9.9 DIABETES, MORTALITY

DIABETES MELLITUS: AN UNDERESTIMATED PUBLIC HEALTH PROGRAM. Tokuhata GK, Miller W, Digon E, Hartman T *J Chronic Dis* 28: 23-35, Jan 75 (Eng)

1.F.10 DIABETES, EXPERIMENTAL

1.F.10.1 DIABETES, CHEMICALLY INDUCED

[LACTATE DEHYDROGENASE ISOENZYMES IN THE WALL OF THE RATS AORTA IN EXPERIMENTAL STREPTOZOTOCIN-DIABETES] Wohlrab F, Gotze J *Dtsch Z Verdau Stoffwechselkr* 34: 53-8, 1974 (Ger)

DIFFERENT MECHANISMS IN TESTOSTERONE ACTION ON GLYCOGEN METABOLISM IN RAT PERINEAL AND SKELETAL MUSCLES. Bergamini E *Endocrinology* 96: 77-84, Jan 75 (Eng)

[URAEMIC POLYNEUROPATHY AFTER

RENAL TRANSPLANTATION (AUTHORS TRANSL)] Mamoli B, Kopsa H, Gerstenbrand F, Kotzauerk R, Patcisky K *J Neurol* 208: 63-9, 1974 (Ger)

[CORTISONE DIABETES AND DIABETES IN DERMATOLOGY AND LEPROSY] El Amile A *Maroc Med* 54: 294-303, May 74 (Fre)

[LETTER: STEROID-INDUCED DIABETES] Charpin J, Aubert J, Pelleray F, Vague P *Nouv Presse Med* 3: 1960, 21 Sep 74 (Fre)

[THE ROLE OF ZINC BLOCKADE IN THE PATHOGENESIS OF DITHIZONE-INDUCED DIABETES] Lazaris IaA, Meiramov GG *Probl Endokrinol (Mosk)* 20: 90-4, Sep-Oct 74 (Rus)

[HEPATIC CIRRHOSIS (NON HEMOCHROMATOSIC). DIABETES MELLITUS. II. INCIDENCE OF CHEMICAL DIABETES IN A GROUP OF 106 CIRRHOTIC PATIENTS] Cerdan Vallejo A, Martin Zurro A, Camunez Benjumea F, Ortiz Vazquez J *Rev Clin Esp* 134: 355-62, 31 Aug 74 (Spa)

STREPTOZOTOCIN-DIABETES IN THE CHINESE HAMSTER. LONG-TERM EFFECTS ON THE LIGHT MICROSCOPIC STRUCTURE OF THE PANCREATIC ISLET TISSUE, LIVER AND KIDNEY. Wilander E *Acta Pathol Microbiol Scand [A]* 82: 767-76, Nov 74 (Eng)

1.F.10.2 ALLOXAN DIABETES

1.F.10.2.1 ALLOXAN DIABETES, BLOOD

[LIPOMOBILIZING FACTOR OF BLOOD IN THE PATHOGENESIS OF HYPERLIPEMIA IN EXPERIMENTAL DIABETES MELLITUS] Tishenina RS *Probl Endokrinol (Mosk)* 20: 95-9, Sep-Oct 74 (Rus)

1.F.10.2.2 ALLOXAN DIABETES, DRUG THERAPY

1.F.10.2.3 ALLOXAN DIABETES, ENZYMOLOGY

REGULATORY MECHANISMS FOR LIVER ACETYL COENZYME A CARBOXYLASE. Numa S, Hashimoto T, Nakanishi S, Okazaki T *Biochem Soc Symp* 27-39, 1972 (Eng)

1.F.10.2.4 ALLOXAN DIABETES,

METABOLISM

CHANGES IN THE RATS PREFERENCE FOR SACCHARIN AND SODIUM CHLORIDE SOLUTIONS FOLLOWING INJECTION OF ALLOXAN MONOHYDRATE. Brookshire KH *J Comp Physiol Psychol* 87: 1061-8, Dec 74 (Eng)

FUNCTION OF THE ONSET OF ILLNESS IN THE PREFERENCE CHANGES OF ALLOXAN-DIABETIC RATS. Brookshire KH *J Comp Physiol Psychol* 87: 1069-72, Dec 74 (Eng)

[EFFECT OF HYDROCORTISONE, THYROXINE AND ALLOXAN DIABETES ON THE INCORPORATION OF THE LABELLED ACETATE-1-C14 INTO THE LIPIDS OF THE ADRENAL GLANDS AND TESTIS IN RATS] Kheidemanis KK, Petushkova TN *Probl Endokrinol (Mosk)* 20: 100-4, Sep-Oct 74 (Rus)

AN IN VIVO INSULIN EFFECT ON HEPATOCYTE CHROMATIN DETERMINED BY DNA-RNA HYBRIDIZATION. Drake RL, Morgan CR *Biochem Biophys Res Commun* 62: 342-9, 20 Jan 75 (Eng)

1.F.10.2.5 ALLOXAN DIABETES, PATHOLOGY

1.F.10.2.6 ALLOXAN DIABETES, PHYSIOPATHOLOGY

POSSIBLE PARTICIPATION OF INSULIN IN THE CONTROL OF VASCULAR PERMEABILITY. Garcia-Leme J, Bohm GM, Migliorini RH, de Souza MZ *Eur J Pharmacol* 29: 298-306, Dec 74 (Eng)

[MECHANISM OF THE DISORDER IN ERYTHROCYTE REGENERATION IN DEFICIENT INSULIN FORMATION] Vinichenko NS *Fiziol Zh* 20: 550-3, Jul-Aug 74 (Ukr)

[THE BODYS RESPONSE TO THE LOCAL APPLICATION OF A THERMAL STIMULUS UNDER CONDITIONS OF INADEQUATE INSULIN FORMATION] Shanko VM *Fiziol Zh* 21: 98-103, Jan-Feb 75 (Ukr)

EFFECT OF A LOW DOSE OF ALLOXAN ON BLOOD GLUCOSE, ISLET BETA CELL GRANULATION, BODY WEIGHT, AND INSULIN RESISTANCE OF OB/OB MICE. Solomon J, Bulkley RJ, Mayer J *Diabetologia* 10: 709-15, Dec 74 (Eng)

1.F.11 DIABETES, VETERINARY

THE ABSENCE OF CATARACTS IN MICE WITH CONGENITAL HYPERGLYCEMIA. Varma SD, Kinoshita JH *Exp Eye Res* 19: 577-82, Dec 74 (Eng)

[RUMEN ACIDOSIS AND THE DIABETIC SYNDROME IN CATTLE] Ivanov IT *Vet Med Nauki* 11: 59-63, 1974 (Bul)

1.F.12 DIABETES, HISTORY

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LIPOTROPIC AND ADRENOCORTICOTROPIC HORMONES. BIOLOGICAL ACTIVITIES OF THE CARBOXYL-MODIFIED HORMONES. Gilardeau C, Chretien M, Lis M *Can J Physiol Pharmacol* 52: 723-6, Jun 74 (Eng)

LETTER: DOPAMINE-BETA-HYDROXYLASE AND SYMPATHO-ADRENAL ACTIVITY. Goodwin PM, Harrop J, Marks V *Lancet* 1: 170-1, 18 Jan 75 (Eng)

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TERATOGENIC EFFECTS OF ENVIRONMENTAL AGENTS ON EMBRYONIC DEVELOPMENT. Nanda R *Dent Clin North Am* 19: 181-9, Jan 75 (Eng)

[URAEMIC POLYNEUROPATHY AFTER RENAL TRANSPLANTATION (AUTHORS TRANSL.)] Mamoli B, Kopsa H, Gerstenbrand F, Kotzauk R, Pateisky K *J Neurol* 208: 63-9, 1974 (Ger)

NITROBLUE TETRAZOLIUM (NBT)-DYE TEST AND THE MYELOPEROXIDASE REACTION OF HUMAN LEUKOCYTES. Okuda K, Tadokoro I, Noguchi Y *Jpn J Microbiol* 18: 337-42, Sep 74 (Eng)

THE ANTIFUNGAL ACTIVITY OF NORMAL AND HOST-COMPROMISED SALIVA ON SPACEFLIGHT FUNGAL PHENOTYPES. Dublin M, Volz PA, Bulmer GS *Mycopathol Mycol Appl* 54: 499-516, 18 Dec 74 (Eng)

[LETTER: STEROID-INDUCED DIABETES] Charpin J, Aubert J, Pelleray F, Vague P *Nouv Presse Med* 3: 1960, 21 Sep 74 (Fre)

2.B.2.1 GLUCOCORTICOIDS

[ADAPTIVE IMPORTANCE OF GLUCONEOGENESIS IN HEALTHY AND DISEASED BODY (REVIEW)] Genes SG *Patol Fiziol Eksp Ter* 74-81, Nov-Dec 74 (Rus) [81]

2.B.2.1.1 CORTISONE

[RHYTHMICAL ACTIVITY OF THE ADRENAL CORTEX IN VARIOUS STATES OF THE AUTONOMIC NERVOUS SYSTEM] Belova TA, Khamidov GD *Probl Endokrinol (Mosk)* 20: 49-53, Jan-Feb 74 (Rus)

PROCEEDINGS: FAMILIAL GLUCOCORTICOID DEFICIENCY. Thistlethwaite D, Darling JA, Fraser R, Rees LH, Harkness RA *J Endocrinol* 63: 48p-49p, Nov 74 (Eng)

OCULAR AND FINGERTIP ABNORMALITIES IN ISOLATED GLUCOCORTICOID DEFICIENCY. Counahan R, West R *J Pediatr* 85: 580-1, Oct 74 (Eng)

HYPEROSMOLALITY AND TRAUMA. Hallberg D *Acta Anaesthesiol Scand [Suppl]* 21-7, 1974 (Eng)

2.B.2.1.2 HYDROCORTISONE

[RHYTHMICAL ACTIVITY OF THE ADRENAL CORTEX IN VARIOUS STATES OF THE AUTONOMIC NERVOUS SYSTEM] Belova TA, Khamidov GD *Probl Endokrinol (Mosk)* 20: 49-53, Jan-Feb 74 (Rus)

IS CORTISOL METABOLIZED AS IT DISSOCIATES FROM GLUCOCORTICOID RECEPTORS IN THYMUS CELLS Munck A, Brinck-Johnsen T *J Steroid Biochem* 5: 203-5, May 74 (Eng)

PATTERNS OF SPONTANEOUS CORTISOL AND GROWTH HORMONE SECRETION IN RHESUS MONKEYS DURING THE SLEEP-WAKING CYCLE. Jacoby JH, Sassin JF, Greenstein M, Weitzman ED *Neuroendocrinology* 14: 165-73, 74 (Eng)

THE METABOLIC RESPONSE TO EXERCISE AND EXHAUSTION IN NORMAL AND GROWTH-HORMONE-DEFICIENT CHILDREN. Winter JS *Can J Physiol Pharmacol* 52: 575-82, Jun 74 (Eng)

[GLUCAGON AND FUNCTION OF THE HYPOTHALAMO-HYPOPHYSEAL-ADRENOCORTICAL SYSTEM IN HUMANS] Balestreri R, Bertolini S, Elicio N, Costa S *Boll Soc Ital Biol Sper* 50: 417-23, 15 Apr 74 (Ita)

DIFFERENT MECHANISMS IN TESTOSTERONE ACTION ON GLYCOGEN METABOLISM IN RAT PERINEAL AND SKELETAL MUSCLES. Bergamini E *Endocrinology* 96: 77-84, Jan 75 (Eng)

PROCEEDINGS: FAMILIAL GLUCOCORTICOID DEFICIENCY. Thistlethwaite D, Darling JA, Fraser R, Rees LH, Harkness RA *J Endocrinol* 63: 48p-49p, Nov 74 (Eng)

GLYCEROL INTOLERANCE IN A CHILD WITH INTERMITTENT HYPOGLYCEMIA. Maclaren NK, Cowles C, Ozand PT, Shuttles R, Cornblath M *J Pediatr* 86: 43-9, Jan 75 (Eng)

SHORT STATURE AS THE ONLY CLINICAL SIGN OF CUSHINGS SYNDROME. Lee PA, Weldon VV, Migeon CJ *J Pediatr* 86: 89-91, Jan 75 (Eng)

[HYPOFIBRINOLYSIS IN ACUTE MYOCARDIAL INFARCTION (AUTHORS TRANSL.)] Bruhn HD, Jipp P, Okoye S, Oltmann A *Med Klin* 69: 1951-5, 22 Nov 74 (Ger)

[EFFECT OF HYDROCORTISONE, THYROXINE AND ALLOXAN DIABETES ON THE INCORPORATION OF THE LABELLED ACETATE-1-C14 INTO THE LIPIDS OF THE ADRENAL GLANDS AND TESTIS IN RATS] Kheidemanis KK, Petushkova TN *Probl Endokrinol (Mosk)* 20: 100-4, Sep-Oct 74 (Rus)

[MEDICAL TREATMENT OF MYOCARDIAL INFARCT IN THE ACUTE PHASE] Trigano JA, Torresani J, Jouve A *Rev Prat* 24: 5019-20, 5023-4, 5029-30 *passim*, 7-11 Dec 74 (Fre)

GENERAL METABOLIC RESPONSE TO TRAUMA INCLUDING PAIN INFLUENCE. Thoren L *Acta Anaesthesiol Scand [Suppl]* 9-14, 1974 (Eng)

REGULATION OF FIBROBLAST GROWTH IN CULTURE. Armelin HA, Armelin MC *Biochem Biophys Res Commun* 62: 260-7, 20 Jan 75 (Eng)

2.B.2.1.3 OTHER GLUCOCORTICOIDS

[RHYTHMICAL ACTIVITY OF THE ADRENAL CORTEX IN VARIOUS STATES OF THE AUTONOMIC NERVOUS SYSTEM] Belova TA, Khamidov GD *Probl Endokrinol (Mosk)* 20: 49-53, Jan-Feb 74 (Rus)

ANTERIOR HYPOPHYSIAL FUNCTION IN THE POSTERIOR-HYPOPHYSIOTOMIZED RAT: NORMAL REGULATION OF THE ADRENAL SYSTEM. Miller RE, Yueh-Chien H, Wiley MK, Hewitt R *Neuroendocrinology* 14: 233-50, 74 (Eng)

BOVINE KETOSIS. II. THERAPY AND BIOLOGICAL FACTORS OF SIGNIFICANCE FOR RECOVERY. Jonsgard K, Hansen MA, Sognen E, Overby I *Nord Vet Med* 26: 362-9, Jun 74 (Eng)

EFFECT OF BETAMETHASONE ON THE PRODUCTION OF GLUCOSE FROM PROPIONATE BY SHEEP. Ford EJ, Winchester JG *J Endocrinol* 62: 51-7, Jul 74 (Eng)

MECHANISMS OF HYPERGLYCEMIC RESPONSE TO CHLORPROMAZINE ADMINISTERED INTO LATERAL VENTRICLE IN RATS. II. SECRETION OF EPINEPHRINE FROM ADRENAL MEDULLA. Fujimori K, Iwamoto T *Neuropharmacology* 13: 255-60, Apr 74 (Eng)

PITUITARY APOPLEXY IN ACROMEGALY FOLLOWED BY PARTIAL PITUITARY INSUFFICIENCY. Jacobi JD, Fishman LM, Daroff RB *Arch Intern Med* 134: 559-61, Sep 74 (Eng)

ROLE OF BRAIN NORADRENALINE IN THE REGULATION OF PITUITARY-ADRENOCORTICAL FUNCTIONS. Kumada H, Uchimura H, Kawabata T, Maeda Y, Okamoto O *J Endocrinol* 62: 161-2, Jul 74 (Eng)

THE METABOLIC RESPONSE TO EXERCISE AND EXHAUSTION IN NORMAL AND GROWTH-HORMONE-DEFICIENT CHILDREN. Winter JS *Can J Physiol Pharmacol* 52: 575-82, Jun 74 (Eng)

[GLUCAGON AND FUNCTION OF THE HYPOTHALAMO-HYPOPHYSEAL-ADRENOCORTICAL SYSTEM IN HUMANS] Balestreri R, Bertolini S, Elicio N, Costa S *Boll Soc Ital Biol Sper* 50: 417-23, 15 Apr 74 (Ita)

EFFECTS OF SURGICAL TREATMENT ON HYPOTHALAMO-PITUITARY-ADRENOCORTICAL FUNCTIONS IN PITUITARY CHROMOPHOBE ADENOMA AND CRANIOPHARYNGIOMA. Nishida S, Ando S, Kitamura K, Tomonaga M *Endocrinol Exp (Bratisl)* 8: 269-79, Dec 74 (Eng)

[ADRENAL RESERVE IN DIABETES INSIPIDUS TREATED WITH CHLORPROPAMIDE]

2.B ADRENAL GLANDS

- Mazanek E, Zaleski J, Kowalski S, Panek E, Starzewska H *Endokrynol Pol* 26: 17-20, Jan-Feb 75 (Pol)
- EFFECT OF ADAPTATION TO HIGH ALTITUDE ON COMPONENTS OF BLOOD AND URINE OF LOWLANDERS COMPARED WITH HIGH ALTITUDE NATIVES. Shivastava KK, Malhotra MS *Int J Biometeorol* 18: 229-87, Dec 74 (Eng)
- PROCEEDINGS: FAMILIAL GLUCOCORTICOID DEFICIENCY. Thistlethwaite D, Darling JA, Fraser R, Rees LH, Harkness RA *J Endocrinol* 63: 48p-49p, Nov 74 (Eng)
- SHORT STATURE AS THE ONLY CLINICAL SIGN OF CUSHINGS SYNDROME. Lee PA, Weldon VV, Migeon CJ *J Pediatr* 86: 89-91, Jan 75 (Eng)
- [CORTISONE DIABETES AND DIABETES IN DERMATOLOGY AND LEPROSY] El Amile A *Maroc Med* 54: 294-303, May 74 (Fre)
- [PREVENTION OF THE RESPIRATORY DISTRESS SYNDROME IN THE NEWBORN BY STEROID THERAPY OF THE MOTHER BEFORE DELIVERY] Jmre H, Istvan F, Szaboels S, Karoly M *Orv Hetil* 116: 195-6, 26 Jan 75 (Hun)
- ENDOCRINE ALTERATIONS IN DELIRIUM TREMENS. Dobrzanski T *Q J Stud Alcohol* 35: 1205-11, Dec 74 (Eng)
- GENERAL METABOLIC RESPONSE TO TRAUMA INCLUDING PAIN INFLUENCE. Thoren L *Acta Anaesthesiol Scand [Suppl]* 9-14, 1974 (Eng)
- EFFECTS OF INSULIN, TRIIODOTHYRONINE AND CORTICOSTERONE ON ORGAN CULTURES OF THE ADULT RAT CEREBELLUM. Kiernan JA *Acta Neuropathol (Berl)* 30: 25-31, 1974 (Eng)
- ### 2.B.2.2 MINERALOCORTICOID
- [RHYTHMICAL ACTIVITY OF THE ADRENAL CORTEX IN VARIOUS STATES OF THE AUTONOMIC NERVOUS SYSTEM] Belova TA, Khamidov GD *Probl Endokrinol (Mosk)* 20: 49-53, Jan-Feb 74 (Rus)
- PROCEEDINGS: FAMILIAL GLUCOCORTICOID DEFICIENCY. Thistlethwaite D, Darling JA, Fraser R, Rees LH, Harkness RA *J Endocrinol* 63: 48p-49p, Nov 74 (Eng)
- [ALDOSTERONE EXCRETION IN PATIENTS WITH DIABETES MELLITUS DEPENDING ON THE DEGREE OF DECOMPENSATION] Khasanov EN *Probl Endokrinol (Mosk)* 20: 7-10, Sep-Oct 74 (Rus)
- HYPEROSMOLALITY AND TRAUMA. Hallberg D *Acta Anaesthesiol Scand [Suppl]* 21-7, 1974 (Eng)
- GENERAL METABOLIC RESPONSE TO TRAUMA INCLUDING PAIN INFLUENCE. Thoren L *Acta Anaesthesiol Scand [Suppl]* 9-14, 1974 (Eng)
- ### 2.B.3 ADRENAL MEDULLA
- MEMBRANE PROTEINS OF CATECHOLAMINE-STORING VESICLES IN ADRENAL MEDULLA AND SYMPATHETIC NERVES. Winkler H, Hortnagl H, Asamer H, Plattner H *Adv Exp Med Biol* 32: 69-81, 1972 (Eng)
- #### 2.B.3.1 EPINEPHRINE
- [CONCEPT OF PLATELET RELEASE REACTION. I. INDUCTORS, INHIBITORS AND ENERGETIC BALANCE. [COMPREHENSIVE REVIEW]] Kubisz P *Vnitr Lek* 20: 782-90, Sep 74 (Slo)
- ACCELERATION OF SUGAR TRANSPORT IN AVIAN ERYTHROCYTES BY CATECHOLAMINES. Whitfield CF, Rannels SR, Morgan HE *J Biol Chem* 249: 4181-8, 10 Jul 74 (Eng)
- ADIPOSE TISSUE AND HEMORRHAGIC SHOCK. Rosell S, Sandor P, Kovach AG *Adv Exp Med Biol* 33: 323-36, 1972 (Eng)
- COMPARISON OF PHARMACOLOGICAL RESPONSES TO NICOTINE AND RELEASE OF CATECHOLAMINES FROM THE ADRENALS IN DOGS AND MONKEYS. Tsujimoto A, Nishikawa T, Doi T, Kojima S *Eur J Pharmacol* 26: 236-42, May 74 (Eng)
- GLUCOSE OXIDATION IN ALVEOLAR MACROPHAGES: PHARMACOLOGIC FEATURES. Gee JB, Khandwala AS, McKeever PE, Malawista SE *J Reticuloendothel Soc* 15: 387-93, May 74 (Eng)
- HORMONAL CONTROL OF LIPOLYSIS. Galton DJ *Proc R Soc Med* 67: 661-2, Jun 74 (Eng)
- LIPOLYSIS RELATION OF THE ADIPOSE TISSUE MASS IN OBESE INDIVIDUALS. ITS MODIFICATION BY EPINEPHRINE. Portugal-Alvarez J, Perezagui-Clamagiran C, Velasco-Martin A *Pol J Pharmacol Pharm* 26: 325-8, May-Jun 74 (Eng)
- MECHANISMS OF HYPERGLYCEMIC RESPONSE TO CHLORPROMAZINE ADMINISTERED INTO LATERAL VENTRICLE IN RATS. II. SECRETION OF EPINEPHRINE FROM ADRENAL MEDULLA. Fujimori K, Iwamoto T *Neuropharmacology* 13: 255-60, Apr 74 (Eng)
- PURIFICATION OF A PROLACTIN INHIBITING HORMONE AND THE REVEALING OF HORMONE D-GHIH WHICH INHIBITS THE RELEASE OF GROWTH HORMONE. Greibrokk T, Currie BL, Johansson NK, Hansen JJ, Folkers K *Biochem Biophys Res Commun* 59: 704-9, 24 Jul 74 (Eng)
- THE EFFECT OF EPINEPHRINE ON THYROID HORMONE SYNTHESIS IN THE RAT. Joasoo A, Murray IP *Acta Endocrinol (Kbh)* 77: 43-52, Sep 74 (Eng)
- TO THE ADIPOKINETIC EFFECT OF SEROTONIN IN VITRO. Rath R, Kujalova V *Eur Orthod Soc Rep Congr* 63: 254-8, May 74 (Eng)
- EFFECTS OF HORMONES ON CYCLIC AMP RELEASE FROM RAT ADIPOSE TISSUE IN VITRO. Zumstein P, Zapf J, Froesch ER *FEBs Lett* 49: 65-9, 1 Dec 74 (Eng)
- [THE BODY'S RESPONSE TO THE LOCAL APPLICATION OF A THERMAL STIMULUS UNDER CONDITIONS OF INADEQUATE INSULIN FORMATION] Shanko VM *Fiziol Zh* 21: 98-103, Jan-Feb 75 (Ukr)
- EFFECT OF CHOLERA TOXIN ON INSULIN RELEASE IN MONOLAYER CULTURES OF THE ENDOCRINE PANCREAS. Wollheim CB, Blondel B, Sharp GW *Diabetologia* 10: 783-7, Dec 74 (Eng)
- DEGREE OF ACETONAEMIA FOLLOWING EPINEPHRINE INFUSION TO DETERMINE BIOCHEMICAL CHARACTERIZATION OF DIABETES MELLITUS. Malik TK, Kumar V, Ahuja MM *Indian J Med Res* 62: 80-5, Jan 74 (Eng)
- GLUCAGON AND PLASMA CATECHOLAMINE RESPONSES TO GRADED AND PROLONGED EXERCISE IN MAN. Galbo H, Holst JJ, Christensen NJ *J Appl Physiol* 38: 70-6, Jan 75 (Eng)
- [HYPERACTIVITY OF THE BETA-RECEPTER IN CHILDREN—WITH SPECIAL REFERENCE TO PERIODIC VOMITING (SO-CALLED AUTOTOXICATION) AND ORTHOSTATIC DYSREGULATION] Furusho K, Muraishi K, Sato K, Noda C *Jpn J Clin Med* 32: 2907-18, Sep 74 (Jpn)
- [CAUSES AND EFFECTS OF HYPERACTIVITY OF THE SYMPATHICO-ADRENAL SYSTEM IN ACUTE MYOCARDIAL INFARCT] Oganov RG, Vinogradova IV, Aleksandrov AA *Kardiologia* 14: 140-50, Oct 74 (Rus) [146]
- POSTTRAUMATIC REGULATION OF INSULIN SECRETION IN ADAPTED RATS. Vigas M, Nemeth S, Jurcovicova J *Physiol Bohemoslov* 23: 245-9, 1974 (Eng)
- [THE FACTORS WHICH START THE REBOUND PHENOMENON IN THE SERUM FFA FOLLOWING INSULIN ADMINISTRATION] Bostanci N *Turk Tip Cemiy Mecm* 36: 185-97, 1974 (Tur)
- TRAUMA: HORMONAL FACTORS WITH SPECIAL REFERENCE TO DIABETES MELLITUS. Efendic S, Cerasi E, Luft R *Acta Anaesthesiol Scand [Suppl]* 107-19, 1974 (Eng)
- NORMAL CARBOHYDRATE METABOLISM AND CARBOHYDRATE METABOLISM IN TRAUMA. Hultman E, Bergstrom J, Nilsson LH *Acta Anaesthesiol Scand [Suppl]* 28-49, 1974 (Eng)
- ADRENAL MEDULLARY STORAGE VESICLES OF THE SPONTANEOUSLY HYPERTENSIVE RAT. Slotkin TA, Green HO *Biochem Pharmacol* 24: 173-80, 15 Jan 75 (Eng)
- #### 2.B.3.2 NOREPINEPHRINE
- ACCELERATION OF SUGAR TRANSPORT IN AVIAN ERYTHROCYTES BY CATECHOLAMINES. Whitfield CF, Rannels SR, Morgan HE *J Biol Chem* 249: 4181-8, 10 Jul 74 (Eng)
- ADENYL CYCLASE ACTIVITY IN DEVELOPING RAT HEART. Brus R *Pol J Pharmacol Pharm* 26: 337-40, May-Jun 74 (Eng)
- ADIPOSE TISSUE AND HEMORRHAGIC SHOCK. Rosell S, Sandor P, Kovach AG *Adv Exp Med Biol* 33: 323-36, 1972 (Eng)
- CENTRAL HYPOTHERMIA BY 2-DEOXY-D-GLUCOSE: ANTAGONISM BY ALPHA-ADRENERGIC ACTIVATION. Muller EE, Cocchi D, Julianho H, Udeschini G, Peruzzi G, Mantegazza P *Eur J Pharmacol* 26: 243-55, May 74 (Eng)
- INFLUENCE OF ENDOTOXIN ON ADIPOSE TISSUE METABOLISM. Spitzer JA, Kovach AG, Rosell S, Sandor P, Spitzer JJ, Storck R *Adv Exp Med Biol* 33: 337-44, 1972 (Eng)
- MECHANISMS OF HYPERGLYCEMIC RESPONSE TO CHLORPROMAZINE ADMINISTERED INTO LATERAL VENTRICLE IN RATS. I. POSSIBLE ROLE OF DOPAMINERGIC NERVOUS SYSTEM. Fujimori K, Iwamoto T *Neuropharmacology* 13: 245-54, Apr 74 (Eng)
- ROLE OF BRAIN NORADRENALINE IN THE REGULATION OF PITUITARY-ADRENOCORTICAL FUNCTIONS. Kumeda H, Uchimura H, Kawabata T, Maeda Y, Okamoto O *J Endocrinol* 62: 161-2, Jul 74 (Eng)
- THE EFFECT OF MONOAMINE OXIDASE INHIBITORS ON THE RECTAL TEMPERATURE OF THE RAT. Summers RJ *J Pharm Pharmacol* 26: 335-43, May 74 (Eng)
- THE EFFECT OF NORADRENALINE AND TYRAMINE ON CARDIAC CONTRACTILITY, CYCLIC AMP, AND PHOSPHORYLASE A IN

2.E PITUITARY GLAND

NORMAL AND HYPERTHYROID RATS. Young BA, McNeill JH *Can J Physiol Pharmacol* 52: 375-83, Jun 74 (Eng)

THE INFLUENCE OF BODY WEIGHT AND CELL SIZE ON LIPOGENESIS AND LIPOLYSIS OF ISOLATED RAT FAT CELLS. Hansen FM, Nielsen JH, Gliemann J *Eur J Clin Invest* 4: 411-8, 5 Dec 74 (Eng)

SIGNIFICANCE OF ACID AMYLOGLU-COSIDASE IN SULPHONYLUREA-INDUCED INSULIN RELEASE. Lundquist I *Diabetologia* 10: 717-24, Dec 74 (Eng)

GLUCAGON AND PLASMA CATECHOLAMINE RESPONSES TO GRADED AND PROLONGED EXERCISE IN MAN. Galbo H, Holst JJ, Christensen NJ *J Appl Physiol* 38: 70-6, Jan 75 (Eng)

[CAUSES AND EFFECTS OF HYPERACTIVITY OF THE SYMPATHICO-ADRENAL SYSTEM IN ACUTE MYOCARDIAL INFARCT] Oganov RG, Vinogradova IV, Aleksandrov AA *Kardiologiia* 14: 140-50, Oct 74 (Rus) [146]

2.B.4 ADRENALECTOMY

ANTERIOR HYPOPHYSIAL FUNCTION IN THE POSTERIOR-HYPOPHYSIOTOMIZED RAT: NORMAL REGULATION OF THE ADRENAL SYSTEM. Miller RE, Yueh-Chien H, Wiley MK, Hewitt R *Neuroendocrinology* 14: 233-50, 74 (Eng)

IS CORTISOL METABOLIZED AS IT DIS-SOCIATES FROM GLUCOCORTICOID RECEPTORS IN THYMUS CELLS Munck A, Brinck-Johnsen T *J Steroid Biochem* 5: 203-5, May 74 (Eng)

MECHANISMS OF HYPERGLYCEMIC RESPONSE TO CHLORPROMAZINE ADMINISTERED INTO LATERAL VENTRICLE IN RATS. II. SECRETION OF EPINEPHRINE FROM ADRENAL MEDULLA. Fujimori K, Iwamoto T *Neuropharmacology* 13: 255-60, Apr 74 (Eng)

METABOLIC, HORMONAL AND ENZYMATIC FUNCTIONS OF RATS DURING RECOVERY FROM INJURY. Nemeth S, Vigas M, Strakova A *Adv Exp Med Biol* 33: 423-7, 1972 (Eng)

PROLACTIN STIMULATION OF ESTROGEN RECEPTOR IN VITRO IN 7,12 DIMETHYL-BENZ(A)ANTHRACENE-INDUCED MAMMARY TUMOR. Sasaki GH, Leung BS *Res Commun Chem Pathol Pharmacol* 8: 409-12, Jun 74 (Eng)

DIFFERENT MECHANISMS IN TESTOSTERONE ACTION ON GLYCOGEN METABOLISM IN RAT PERINEAL AND SKELETAL MUSCLES. Bergamini E *Endocrinology* 96: 77-84, Jan 75 (Eng)

POSSIBLE PARTICIPATION OF INSULIN IN THE CONTROL OF VASCULAR PERMEABILITY. Garcia-Leme J, Bohm GM, Migliorini RH, de Souza MZ *Eur J Pharmacol* 29: 298-306, Dec 74 (Eng)

2.B.5 ADRENAL DISORDERS

SHORT STATURE AS THE ONLY CLINICAL SIGN OF CUSHINGS SYNDROME. Lee PA, Weldon VV, Migeon CJ *J Pediatr* 86: 89-91, Jan 75 (Eng)

ANTIBODIES TO PANCREATIC ISLET CELLS IN INSULIN-DEPENDENT DIABETICS WITH COEXISTENT AUTOIMMUNE DISEASE. MacCuish AC, Irvine WJ, Barnes EW, Duncan LJ *Lancet* 2: 1529-31, 28 Dec 74 (Eng)

[CLINICAL DEMONSTRATIONS] Labhart A *Schweiz Med Wochenschr* 104: 1830-41, 14 Dec 74 (Ger)

2.C THYROID GLAND

[STIMULATION BY THYROTROPIN OF THYROID GLAND CALCIUM MOBILIZATION] Rodesch F, Bogaert C, Dumont JE *C R Acad Sci [D]* (Paris) 278: 931-4, 11 Feb 74 (Fre)

ANTERIOR HYPOPHYSIAL FUNCTION IN THE POSTERIOR-HYPOPHYSIOTOMIZED RAT: NORMAL REGULATION OF THE ADRENAL SYSTEM. Miller RE, Yueh-Chien H, Wiley MK, Hewitt R *Neuroendocrinology* 14: 233-50, 74 (Eng)

EXISTENCE OF TWO POOLS OF PROSTAGLANDINS DURING STIMULATION OF THE THYROID BY TSH. Haye B, Champion S, Jacquemin C *FEBS Lett* 41: 89-93, 15 Apr 74 (Eng)

2.C.1 THYROID HORMONES

[LEUCINE-C14 INCORPORATION INTO RAT SOMATOTROPIC HORMONE DEPENDING ON THE LEVEL OF THYROID HORMONES IN THE BODY] Martynenko FP, Rozhko OT, Novikova NP *Probl Endokrinol (Mosk)* 20: 107-10, Jan-Feb 74 (Rus)

[RED BLOOD CELLS AS EFFECTORS OF THYROID HORMONES] Weinstein M, Iparraguirre de Weinstein B *Medicina (B Aires)* 34: 146-56, Mar 74 (Spa) [106]

BIOASSAY OF GROWTH HORMONE. II. DETERMINATION OF LONGITUDINAL BONE GROWTH WITH TETRACYCLINE IN THYROID-TREATED HYPOPHYSIOTOMIZED RATS. Thorngren KG, Hansson LI *Acta Endocrinol (Kbh)* 75: 669-82, Apr 74 (Eng)

BOVINE KETOSIS: A REVIEW WITH RECOMMENDATIONS FOR CONTROL AND TREATMENT. Baird GD, Heitzman RJ, Hibbitt KG, Hunter GD *Br Vet J* 130: 214-20, May-Jun 74 (Eng) [20]

HORMONES AND LYMPHOID TISSUES. CONTACT SENSITIVITY AND DETECTION OF THETA-CELLS IN PITUITARY DWARF MICE. Baroni CD, Doria G *Adv Exp Med Biol* 29: 655-60, 1973 (Eng)

LIPID CHANGES IN THYROID DISEASE: THE EFFECT OF THYROXINE AND ANALOGUES. Tulloch BR *Proc R Soc Med* 67: 670-1, Jun 74 (Eng) [24]

THE DIAGNOSTIC VALUE OF RADIOIMMUNOASSAY IN CLINICAL MEDICINE. Cullen MJ *Ir J Med Sci* 0: suppl046-9, Jul 74 (Eng)

THE EFFECT OF EPINEPHRINE ON THYROID HORMONE SYNTHESIS IN THE RAT. Joasoo A, Murray IP *Acta Endocrinol (Kbh)* 77: 43-52, Sep 74 (Eng)

THE EFFECT OF NORADRENALINE AND TYRAMINE ON CARDIAC CONTRACTILITY, CYCLIC AMP, AND PHOSPHORYLASE A IN NORMAL AND HYPERTHYROID RATS. Young BA, McNeill JH *Can J Physiol Pharmacol* 52: 375-83, Jun 74 (Eng)

[EFFECT OF HYDROCORTISONE, THYROXINE AND ALLOXAN DIABETES ON THE INCORPORATION OF THE LABELLED ACETATE-1-C14 INTO THE LIPIDS OF THE ADRENAL GLANDS AND TESTIS IN RATS] Kheidemanis KK, Petushkova TN *Probl Endokrinol (Mosk)* 20: 100-4, Sep-Oct 74 (Rus)

ENDOCRINE ALTERATIONS IN DELIRIUM TREMENS. Dobrzanski T *Q J Stud Alcohol* 35: 1205-11, Dec 74 (Eng)

GENERAL METABOLIC RESPONSE TO TRAUMA INCLUDING PAIN INFLUENCE. Thoren L *Acta Anaesthesiol Scand [Suppl]* 9-14, 1974 (Eng)

EFFECTS OF INSULIN, TRIIODOTHYRONINE AND CORTICOSTERONE ON ORGAN CULTURES OF THE ADULT RAT CEREBELLUM. Kiernan JA *Acta Neuropathol (Berl)* 30: 25-31, 1974 (Eng)

2.C.2 THYROID ANTAGONISTS

PERTURBATION OF LEUKOCYTE METABOLISM BY NONPHAGOCYTOSABLE CANAVALIN A-COUPLED BEADS. Romeo D, Jug M, Zabucchi G, Rossi F *FEBS Lett* 42: 90-3, 15 May 74 (Eng)

2.C.3 THYROID DISORDERS

[RED BLOOD CELLS AS EFFECTORS OF THYROID HORMONES] Weinstein M, Iparraguirre de Weinstein B *Medicina (B Aires)* 34: 146-56, Mar 74 (Spa) [106]

LIPID CHANGES IN THYROID DISEASE: THE EFFECT OF THYROXINE AND ANALOGUES. Tulloch BR *Proc R Soc Med* 67: 670-1, Jun 74 (Eng) [24]

THE EFFECT OF NORADRENALINE AND TYRAMINE ON CARDIAC CONTRACTILITY, CYCLIC AMP, AND PHOSPHORYLASE A IN NORMAL AND HYPERTHYROID RATS. Young BA, McNeill JH *Can J Physiol Pharmacol* 52: 375-83, Jun 74 (Eng)

EPISODIC WEAKNESS IN THYROTOXICOSIS. Isaacs B, Thomas E, Hall JA *Practitioner* 213: 69-72, Jul 74 (Eng)

[CLINICAL DEMONSTRATIONS] Labhart A *Schweiz Med Wochenschr* 104: 1830-41, 14 Dec 74 (Ger)

[ENDOCRINE GLAND CHANGES IN A PATIENT WITH MORGAGNI-STEWART-MOREL SYNDROME] Koev D, Maleva E, Koeva L *Vutr Boles* 13: 125-9, 1974 (Bul)

2.D PARATHYROID GLANDS

[CLINICAL DEMONSTRATIONS] Labhart A *Schweiz Med Wochenschr* 104: 1830-41, 14 Dec 74 (Ger)

2.E PITUITARY GLAND

ELECTROPHORETIC ANALYSIS OF POLYPEPTIDES OF PLASMA MEMBRANES FROM BOVINE PITUITARY GLAND. Lemay A, Labrie F *Can J Biochem* 52: 620-30, Jul 74 (Eng)

FREEZE-FRACTURE IMAGES OF CAPILLARIES IN NORMAL AND NEOPLASTIC PITUITARIES. Tani E, Ikeda K, Kudo S, Yamagata S, Makita Y *Acta Neuropathol (Berl)* 28: 105-16, 1974 (Eng)

ROLE OF BRAIN NORADRENALINE IN THE REGULATION OF PITUITARY-ADRENOCORTICAL FUNCTIONS. Kumeda H, Uchimura H, Kawabata T, Maeda Y, Okamoto O *J Endocrinol* 62: 161-2, Jul 74 (Eng)

2.E PITUITARY GLAND

ULTRASTRUCTURAL OBSERVATIONS OF ANTERIOR PITUITARY SOMATOTROPHS FOLLOWING PITUITARY PORTAL VESSEL INFUSION OF DIBUTYRYL CAMP. Wilbur DL, Worthington WC Jr, Markwald RR *Am J Anat* 141: 139-45, Sep 74 (Eng)

2.E.1 PITUITARY HORMONES, ANTERIOR

2.E.1.1 CORTICOTROPIN

[CURRENT CONCEPTS ON THE HYPOTHALAMO-HYPOPHYSAL AXIS] Lepsanovic L *Med Pregl* 26: 457-66, 1973 (Ser)

[SOMATOMEDIN ACTIVITY OF THE SERUM IN THE NORMAL CHILD AND IN HYPOTITUITARISM] Binet E, Schlumberger A, Chausain JL, Job JC *Arch Fr Pediatr* 31: 339-46, Apr 74 (Fre)

ANTERIOR HYPOPHYSAL FUNCTION IN THE POSTERIOR-HYPOPHYSALIZED RAT: NORMAL REGULATION OF THE ADRENAL SYSTEM. Miller RE, Yueh-Chien H, Wiley MK, Hewitt R *Neuroendocrinology* 14: 233-50, 74 (Eng)

CYCLIC NUCLEOTIDES AND SMOOTH MUSCLE. Bar HP *Adv Cyclic Nucleotide Res* 4: 195-237, 1974 (Eng) [153]

LIPOTROPIC AND ADRENOCORTICOTROPIC HORMONES. BIOLOGICAL ACTIVITIES OF THE CARBOXYL-MODIFIED HORMONES. Gilardeau C, Chretien M, Lis M *Can J Physiol Pharmacol* 52: 723-6, Jun 74 (Eng)

THE ADENOHYPHYSAL RESPONSE TO STRESS AND ITS HYPOTHALAMIC CONTROL. McCann SM, Krulich L, Illner P, Quijada M, Ajika K, Fawcett CP *Adv Exp Med Biol* 33: 157-64, 1972 (Eng)

THE METABOLIC RESPONSE TO EXERCISE AND EXHAUSTION IN NORMAL AND GROWTH-HORMONE-DEFICIENT CHILDREN. Winter JS *Can J Physiol Pharmacol* 52: 575-82, Jun 74 (Eng)

THEORY OF HORMONE-RECEPTOR INTERACTION. 3. THE ENDOCRINE TARGET CELL AS A QUANTAL RESPONSE UNIT: A GENERAL CONTROL MECHANISM. Rodbard D *Adv Exp Med Biol* 36: 342-64, 1973 (Eng)

THEORY OF RADIOIMMUNOASSAYS AND HORMONE-RECEPTOR INTERACTIONS. II. SIMULATION OF ANTIBODY DIVALENCY, COOPERATIVITY AND ALLOSTERIC EFFECTS. Rodbard D, Bertino RE *Adv Exp Med Biol* 36: 327-41, 1973 (Eng)

LONG-TERM INFUSION OF GROWTH HORMONE RELEASE INHIBITING HORMONE IN ACROMEGALY: EFFECTS ON PITUITARY AND PANCREATIC HORMONES. Besser GM, Mortimer CH, McNeilly AS, Thorne MO, Batistoni GA, Bloom SR, Kastrop KW, Hansen KF, Hall R, Coy DH, Kastin AJ, Schally AV *Br Med J* 4: 622-7, 14 Dec 74 (Eng)

[ADRENAL RESERVE IN DIABETES INSIPIDUS TREATED WITH CHLORPROPAMIDE] Mazanek E, Zalewski J, Kowalski S, Panek E, Starzewska H *Endokrynol Pol* 26: 17-20, Jan-Feb 75 (Pol)

THE INFLUENCE OF BODY WEIGHT AND CELL SIZE ON LIPOGENESIS AND LIPOLYSIS OF ISOLATED RAT FAT CELLS. Hansen FM, Nielsen JH, Gliemann J *Eur J Clin Invest* 4: 411-8, 5 Dec 74 (Eng)

PROCEEDINGS: FAMILIAL GLUCOCORTICOID DEFICIENCY. Thistlethwaite D, Darling JA, Fraser R, Rees LH, Harkness RA *J Endocrinol* 63: 48p-49p, Nov 74 (Eng)

SHORT STATURE AS THE ONLY CLINICAL SIGN OF CUSHINGS SYNDROME. Lee PA, Weldon VV, Migeon CJ *J Pediatr* 86: 89-91, Jan 75 (Eng)

ENDOCRINE ALTERATIONS IN DELIRIUM TREMENS. Dobrzanski T *Q J Stud Alcohol* 35: 1205-11, Dec 74 (Eng)

TRAUMA: HORMONAL FACTORS WITH SPECIAL REFERENCE TO DIABETES MELITUS. Efendic S, Cerasi E, Luft R *Acta Anaesthesiol Scand [Suppl]* 107-19, 1974 (Eng)

GENERAL METABOLIC RESPONSE TO TRAUMA INCLUDING PAIN INFLUENCE. Thoren L *Acta Anaesthesiol Scand [Suppl]* 9-14, 1974 (Eng)

2.E.1.2 SOMATOTROPIN

[BIOLOGICAL AND RADIOIMMUNOLOGICAL STUDIES ON HUMAN PROLACTIN, HUMAN GROWTH HORMONE, AND HUMAN PLACENTAL LACTOGEN] Lindenmeyer D, Hornung D, Theile L *Eur Orthod Soc Rep Congr* 63: 217-24, May 74 (Eng)

[CURRENT CONCEPTS ON THE HYPOTHALAMO-HYPOPHYSAL AXIS] Lepsanovic L *Med Pregl* 26: 457-66, 1973 (Ser)

[LEUCINE-C14 INCORPORATION INTO RAT SOMATOTROPIC HORMONE DEPENDING ON THE LEVEL OF THYROID HORMONES IN THE BODY] Martynenko FP, Rozhko OT, Novikova NP *Probl Endokrinol (Mosk)* 20: 107-10, Jan-Feb 74 (Rus)

[PATHOLOGY OF SOMATOTROPIC HORMONE] Anonymous *Annee Endocrinol* 25: 93-102, 1973 (Fre)

[PHYSIOLOGY OF SOMATOTROPIN] Anonymous *Annee Endocrinol* 25: 76-92, 1973 (Fre)

[PROCEEDINGS: DYNAMICS OF GROWTH HORMONE SECRETION IN ACROMEGALY AND NORMAL ANTERIOR PITUITARY GLAND FUNCTION] Huff H, Werder K von *Munch Med Wochenschr* 116: 1107, 31 May 74 (Ger)

[SOMATOMEDINS AND GROWTH] Job JC, Rapaport R *Arch Fr Pediatr* 31: 333-7, Apr 74 (Fre) [29]

[SPEED OF IRREVERSIBLE IN VIVO DEGRADATION OF FREE L-ISOLEUCINE. EFFECT OF GROWTH HORMONE] Wellers G, Chevan J *C R Acad Sci [D] (Paris)* 277: 2735-8, 17 Dec 74 (Fre)

[TESTS OF SOMATOTROPIN RESERVE IN OBESITY: RESPONSE OF GH TO STIMULATION WITH L-DOPA AND L-ARGININE] Dalesandro B, Bellastella A, Esposito V, Gasbarro R *Folia Endocrinol (Roma)* 27: 381-9, Aug 74 (Ita)

BIOASSAY OF GROWTH HORMONE. II. DETERMINATION OF LONGITUDINAL BONE GROWTH WITH TETRACYCLINE IN THYROID-TREATED HYPOPHYSALIZED RATS. Thorgren KG, Hansson LI *Acta Endocrinol (Kbh)* 75: 669-82, Apr 74 (Eng)

BIOASSAY OF GROWTH HORMONE. I. DETERMINATION OF LONGITUDINAL BONE GROWTH WITH TETRACYCLINE IN HYPOPHYSALIZED RATS. Thorgren KG, Hansson LI *Acta Endocrinol (Kbh)* 75: 653-68, Apr 74 (Eng)

CHANGES OF SERUM GROWTH HORMONE IN PSYCHOSOMATIC DISORDERS. Suematsu H, Kurokawa N, Tamai H, Ikemi Y *Psychother Psychosom* 24: 161-4, 1974 (Eng)

EFFECT OF EXERCISE ON LEVELS OF PLASMA GROWTH HORMONE, FREE FATTY ACIDS, AND GLUCOSE IN THE PIGEON. McKeown BA, John TM, George JC *Arch Int Physiol Biochim* 82: 55-62, Feb 74 (Eng)

HORMONES AND LYMPHOID TISSUES. CONTACT SENSITIVITY AND DETECTION OF THETA-CELLS IN PITUITARY DWARF MICE. Baroni CD, Doria G *Adv Exp Med Biol* 29: 655-60, 1973 (Eng)

LETTER: GROWTH WITH ABSENT GROWTH HORMONE BY RADIOIMMUNOASSAY. Saenger P, Levine LS, Wiedemann E, Schwartz E, New MI *J Pediatr* 85: 137-8, Jul 74 (Eng)

PATTERNS OF SPONTANEOUS CORTISOL AND GROWTH HORMONE SECRETION IN RHESUS MONKEYS DURING THE SLEEP-WAKING CYCLE. Jacoby JH, Sassin JF, Greenstein M, Weitzman ED *Neuroendocrinology* 14: 165-73, 74 (Eng)

PITUITARY APOPLEXY IN ACROMEGALY FOLLOWED BY PARTIAL PITUITARY INSUFFICIENCY. Jacobi JD, Fishman LM, Daroff RB *Arch Intern Med* 134: 559-61, Sep 74 (Eng)

PURIFICATION OF A PROLACTIN INHIBITING HORMONE AND THE REVEALING OF HORMONE D-GHIH WHICH INHIBITS THE RELEASE OF GROWTH HORMONE. Greibrokk T, Currie BL, Johansson NK, Hansen JJ, Folkers K *Biochem Biophys Res Commun* 59: 704-9, 24 Jul 74 (Eng)

THE ADENOHYPHYSAL RESPONSE TO STRESS AND ITS HYPOTHALAMIC CONTROL. McCann SM, Krulich L, Illner P, Quijada M, Ajika K, Fawcett CP *Adv Exp Med Biol* 33: 157-64, 1972 (Eng)

THE DIAGNOSTIC VALUE OF RADIOIMMUNOASSAY IN CLINICAL MEDICINE. Cullen MJ *Ir J Med Sci* 0: suppl046-9, Jul 74 (Eng)

THE EFFECT OF ACUTE FASTING ON SLEEP AND THE SLEEP-GROWTH HORMONE RESPONSE. Karacan I, Rosenbloom AL, Londono JH, Salis PJ, Thornby JI, Williams RL *Psychosomatics* 14: 33-7, Jan-Feb 73 (Eng)

THE INHIBITION BY SOMATOSTATIN OF THE THYROTROPIN RESPONSE TO THYROTROPIN-RELEASING HORMONE IN NORMAL SUBJECTS. Weeke J, Hansen AP, Lundbaek K *Scand J Clin Lab Invest* 33: 101-3, Apr 74 (Eng)

THE METABOLIC RESPONSE TO EXERCISE AND EXHAUSTION IN NORMAL AND GROWTH-HORMONE-DEFICIENT CHILDREN. Winter JS *Can J Physiol Pharmacol* 52: 575-82, Jun 74 (Eng)

THE SCOPE OF RADIOIMMUNOASSAY. Devlin JG *Ir J Med Sci* 0: suppl036-42, Jul 74 (Eng)

THE SEARCH FOR THE ACTIVE CORE OF PITUITARY GROWTH HORMONE. Kostyo JL *Metabolism* 23: 885-99, Sep 74 (Eng) [60]

USES OF PROLACTIN- AND GROWTH HORMONE-PRODUCING RAT PITUITARY TUMOR CELLS IN CULTURE. Hinkle PM *Lloydia* 37: 192-5, Jun 74 (Eng)

ACTION OF PLASMIN ON OXIDIZED BOVINE GROWTH HORMONE. Graf L, Li CH *Arch Biochem Biophys* 161: 691-5, 2 Apr 74 (Eng)

HUMAN PITUITARY GROWTH HORMONE: SOLUBILITY IN AMMONIUM SULFATE SOLUTIONS. Tarli P, Li CH *Arch Biochem Biophys* 161: 696-7, 2 Apr 74 (Eng)

LONG-TERM INFUSION OF GROWTH HORMONE RELEASE INHIBITING HORMONE IN ACROMEGALY: EFFECTS ON PITUITARY

2.E PITUITARY GLAND

- AND PANCREATIC HORMONES. Besser GM, Mortimer CH, McNeilly AS, Thorner MO, Batistoni GA, Bloom SR, Kastrup KW, Hanssen KF, Hall R, Coy DH, Kastin AJ, Schally AV *Br Med J* 4: 622-7, 14 Dec 74 (Eng)
- ALTERATION OF METABOLIC AND HORMONAL RESPONSES TO EXERCISE BY PHYSICAL TRAINING. Rennie MJ, Johnson RH *Eur J Appl Physiol* 33: 215-26, 1974 (Eng)
- EFFECT OF A LOW DOSE OF ALLOXAN ON BLOOD GLUCOSE, ISLET BETA CELL GRANULATION, BODY WEIGHT, AND INSULIN RESISTANCE OF OB/OB MICE. Solomon J, Bulkley RJ, Mayer J *Diabetologia* 10: 709-15, Dec 74 (Eng)
- STUDIES OF GLUCOSE TOLERANCE, INSULIN AND GROWTH HORMONE SECRETION DURING THE MENSTRUAL CYCLE IN HEALTHY WOMEN. Walsh CH, O'Sullivan DJ *Ir J Med Sci* 144: 18-24, Jan 75 (Eng)
- PROCEEDINGS: FAMILIAL GLUCOCORTICOID DEFICIENCY. Thistlethwaite D, Darling JA, Fraser R, Rees LH, Harkness RA *J Endocrinol* 63: 48p-49p, Nov 74 (Eng)
- DEFECTIVE GROWTH HORMONE SECRETION IN PRIMARY MICROCEPHALY. Dacou-Voutetakis C, Karpachios T, Logothetis N, Constantinidis M, Matsaniotis N, Michalopoulou E *J Pediatr* 85: 498-502, Oct 74 (Eng)
- THE GLUCAGON INFUSION TEST AND GROWTH HORMONE SECRETION. Avruskin TW, Tang SC, Juan CS *J Pediatr* 86: 102-6, Jan 75 (Eng)
- GLYCEROL INTOLERANCE IN A CHILD WITH INTERMITTENT HYPOGLYCEMIA. Maclaren NK, Cowles C, Ozand PT, Shuttet R, Cornblath M *J Pediatr* 86: 43-9, Jan 75 (Eng)
- IMMUNOHISTOCHEMICAL EVIDENCE FOR THE LOCALIZATION OF SOMATOSTATIN-LIKE IMMUNOREACTIVITY IN A CELL POPULATION OF THE PANCREATIC ISLETS. Luft R, Efendic S, Hokfelt T, Johansson O, Arimura A *Med Biol* 52: 428-30, Dec 74 (Eng)
- SOMATOSTATIN INHIBITS INSULIN AND GLUCAGON RELEASE BY MONOLAYER CELL CULTURES OF RAT ENDOCRINE PANCREAS. Fujimoto WY, Ensink JW, Williams RH *Life Sci* 15: 1999-2004, 1 Dec 74 (Eng)
- EFFECT OF LIPIDS ON GLUCAGON SECRETION IN MAN. Andrews SS, Lopez-S A, Blackard WG *Metabolism* 24: 35-44, Jan 75 (Eng)
- PHYSIOLOGICAL CONTROL OF GROWTH HORMONE IN THE RABBIT. McIntyre HB, Odell WD *Neuroendocrinology* 16: 8-21, 1974 (Eng)
- [SOMATOTROPIC FUNCTION OF THE HYPOPHYSIS. TOLERANCE TESTS AS A METHOD OF EVALUATION OF THE SOMATOTROPIC FUNCTION OF THE HYPOPHYSIS] Sokolov IaA, Vasilenko VV, Fedotov VP *Probi Endokrinol (Mosk)* 20: 16-22, Sep-Oct 74 (Rus)
- [SOMATOTROPIN AND NONESTERIFIED FATTY ACID CONTENT DURING THE STANDARD GLUCOSE TOLERANCE TEST IN CHILDREN AND ADOLESCENTS FROM FAMILIES WITH THE HISTORY OF DIABETES MELLITUS] Stulii LA, Balabolkin MI, Rozhnov AA, Kasatkin IN, Smirnova LK *Probi Endokrinol (Mosk)* 20: 3-7, Sep-Oct 74 (Rus)
- [RESULTS OF THE STUDY OF SOMATOTROPIC FUNCTION OF THE HYPOPHYSIS WITH THE AID OF INSULIN TOLERANCE TEST IN PATIENTS WITH HYPOGONADISM] Nekrasova LV, Sokolov IaA, Marova EI *Probi Endokrinol (Mosk)* 20: 31-6, Sep-Oct 74 (Rus)
- ENDOCRINE ALTERATIONS IN DELIRIUM TREMENS. Dobrzanski T *Q J Stud Alcohol* 35: 1205-11, Dec 74 (Eng)
- [THE FACTORS WHICH START THE REBOUND PHENOMENON IN THE SERUM FFA FOLLOWING INSULIN ADMINISTRATION] Bostanci N *Turk Tip Cemiy Mecm* 36: 185-97, 1970 (Tur)
- TRAUMA: HORMONAL FACTORS WITH SPECIAL REFERENCE TO DIABETES MELLITUS. Efendic S, Cerasi E, Luft R *Acta Anaesthesiol Scand [Suppl]* 107-19, 1974 (Eng)
- GENERAL METABOLIC RESPONSE TO TRAUMA INCLUDING PAIN INFLUENCE. Thoren L *Acta Anaesthesiol Scand [Suppl]* 9-14, 1974 (Eng)
- LETTERS TO THE EDITOR: SERUM INSULIN AND GROWTH HORMONE AFTER KWASHIORKOR. Kajubi SK, Okel RM *Am J Clin Nutr* 27: 1200-1, Nov 74 (Eng)
- THE EFFECT OF PRACTOOL ON CIRCULATORY RESPONSE AFTER SYMPATHETIC STIMULATION AND ON PLASMA GROWTH HORMONE AND INSULIN LEVELS. Syvalahti E, Iisalo E, Leppanen O *Ann Clin Res* 6: 258-65, Oct 74 (Eng)
- SERUM GROWTH HORMONE (GH) AND INSULIN (IRI) AFTER ORAL GLUCOSE IN SUBJECTS WITH RENAL FAILURE. Viljanen MK, Nousiainen R, Kasanen A, Frostrom J *Ann Clin Res* 6: 266-71, Oct 74 (Eng)
- METABOLIC AND HORMONAL CHANGES DURING AND AFTER EXCHANGE TRANSFUSION WITH HEPARINIZED OR ACD BLOOD. Cser A *Arch Dis Child* 49: 940-5, Dec 74 (Eng)
- GROWTH HORMONE RESPONSES TO HYPOGLYCEMIA IN POSTMENOPAUSAL DEPRESSED WOMEN. Gruen PH, Sachar EJ, Altman N, Sassini J *Arch Gen Psychiatry* 32: 31-3, Jan 75 (Eng)
- ### 2.E.1.3 THYROTROPIN
- [SOMATOMEDIN ACTIVITY OF THE SERUM IN THE NORMAL CHILD AND IN HYPOPITUITARISM] Binet E, Schlumberger A, Chaussain JL, Job JC *Arch Fr Pediatr* 31: 339-46, Apr 74 (Fre)
- [STIMULATION BY THYROTROPIN OF THYROID GLAND CALCIUM MOBILIZATION] Rodesch F, Bogaert C, Dumont JE *C R Acad Sci [D] (Paris)* 278: 931-4, 11 Feb 74 (Fre)
- EXISTENCE OF TWO POOLS OF PROSTAGLANDINS DURING STIMULATION OF THE THYROID BY TSH. Haye B, Champion S, Jacquemin C *FEBS Lett* 41: 89-93, 15 Apr 74 (Eng)
- THE INHIBITION BY SOMATOSTATIN OF THE THYROTROPIN RESPONSE TO THYROTROPIN-RELEASING HORMONE IN NORMAL SUBJECTS. Wecke J, Hansen AP, Lundbaek K *Scand J Clin Lab Invest* 33: 101-3, Apr 74 (Eng)
- LONG-TERM INFUSION OF GROWTH HORMONE RELEASE INHIBITING HORMONE IN ACROMEGALY: EFFECTS ON PITUITARY AND PANCREATIC HORMONES. Besser GM, Mortimer CH, McNeilly AS, Thorner MO, Batistoni GA, Bloom SR, Kastrup KW, Hanssen KF, Hall R, Coy DH, Kastin AJ, Schally AV *Br Med J* 4: 622-7, 14 Dec 74 (Eng)
- PROCEEDINGS: FAMILIAL GLUCOCORTICOID DEFICIENCY. Thistlethwaite D, Darling JA, Fraser R, Rees LH, Harkness RA *J Endocrinol* 63: 48p-49p, Nov 74 (Eng)
- ### 2.E.1.4 GONADOTROPINS, PITUITARY
- [BIOLOGICAL AND RADIOIMMUNOLOGICAL STUDIES ON HUMAN PROLACTIN, HUMAN GROWTH HORMONE, AND HUMAN PLACENTAL LACTOGEN] Lindenmeyer D, Hornung D, Theile L *Eur Orthod Soc Rep Congr* 63: 217-24, May 74 (Eng)
- [CURRENT CONCEPTS ON THE HYPOTHALAMO-HYPOPHYSAL AXIS] Lepsanovic L *Med Pregl* 26: 457-66, 1973 (Ser)
- [REGULATION OF ESTROGEN RECEPTORS IN MAMMARY TUMORS: ACTION OF PROLACTIN IN VIVO] Vignon F, Rochefort H *C R Acad Sci [D] (Paris)* 278: 103-6, Jan 74 (Fre)
- [SOMATOMEDIN ACTIVITY OF THE SERUM IN THE NORMAL CHILD AND IN HYPOPITUITARISM] Binet E, Schlumberger A, Chaussain JL, Job JC *Arch Fr Pediatr* 31: 339-46, Apr 74 (Fre)
- LETTER: GROWTH WITH ABSENT GROWTH HORMONE BY RADIOIMMUNOASSAY. Saenger P, Levine LS, Wiedemann E, Schwartz E, New MI *J Pediatr* 85: 137-8, Jul 74 (Eng)
- PROLACTIN STIMULATION OF ESTROGEN RECEPTOR IN VITRO IN 7,12 DIMETHYLBENZ(A)ANTHRACENE-INDUCED MAMMARY TUMOR. Sasaki GH, Leung BS *Res Commun Chem Pathol Pharmacol* 8: 409-12, Jun 74 (Eng)
- PURIFICATION OF A PROLACTIN INHIBITING HORMONE AND THE REVEALING OF HORMONE D-GHIH WHICH INHIBITS THE RELEASE OF GROWTH HORMONE. Greibrokk T, Currie BL, Johansson NK, Hansen JJ, Folkers K *Biochem Biophys Res Commun* 59: 704-9, 24 Jul 74 (Eng)
- THE ADENOHYPOPHYSAL RESPONSE TO STRESS AND ITS HYPOTHALAMIC CONTROL. McCann SM, Krulich L, Illner P, Quijada M, Ajika K, Fawcett CP *Adv Exp Med Biol* 33: 157-64, 1972 (Eng)
- THE DIAGNOSTIC VALUE OF RADIOIMMUNOASSAY IN CLINICAL MEDICINE. Cullen MJ *Ir J Med Sci* 0: suppl046-9, Jul 74 (Eng)
- THE ROLE OF CYCLIC AMP IN THE REGULATION OF STEROID BIOSYNTHESIS IN TESTIS TISSUE. Rommerts FF, Cooke BA, Molen HJ van der *J Steroid Biochem* 5: 279-85, May 74 (Eng) [94]
- USES OF PROLACTIN- AND GROWTH HORMONE-PRODUCING RAT PITUITARY TUMOR CELLS IN CULTURE. Hinkle PM *Lloydia* 37: 192-5, Jun 74 (Eng)
- LONG-TERM INFUSION OF GROWTH HORMONE RELEASE INHIBITING HORMONE IN ACROMEGALY: EFFECTS ON PITUITARY AND PANCREATIC HORMONES. Besser GM, Mortimer CH, McNeilly AS, Thorner MO, Batistoni GA, Bloom SR, Kastrup KW, Hanssen KF, Hall R, Coy DH, Kastin AJ, Schally AV *Br Med J* 4: 622-7, 14 Dec 74 (Eng)
- PROCEEDINGS: THE RELATIONSHIP BETWEEN PROLACTIN AND GONADOTROPINS: EFFECTS OF CLOMIPHENE ADMINISTRATION IN NORMAL MEN. Thorner MO, Besser GM, Hagen C, McNeilly AS *J Endocrinol* 63: 43p-44p, Nov 74 (Eng)
- PROCEEDINGS: FAMILIAL GLUCOCORTICOID DEFICIENCY. Thistlethwaite D, Darling JA, Fraser R, Rees LH, Harkness RA *J Endocrinol* 63: 48p-49p, Nov 74 (Eng)

2.F GONADS

[LETTER: FALL IN PLASMA TESTOSTERONE LEVELS DURING ORAL GLUCOSE TOLERANCE TEST] Cathelineau G, Roger M, Soldat MC *Nouv Presse Med* 3: 2109, 5 Oct 74 (Fre)

2.E.2 PITUITARY HORMONES, POSTERIOR

CYCLIC NUCLEOTIDES AND SMOOTH MUSCLE. Bar HP *Adv Cyclic Nucleotide Res* 4: 195-237, 1974 (Eng) [153]

THE ADENOHYPHYSIAL RESPONSE TO STRESS AND ITS HYPOTHALAMIC CONTROL. McCann SM, Krulich L, Illner P, Quijada M, Ajika K, Fawcett CP *Adv Exp Med Biol* 33: 157-64, 1972 (Eng)

OXYTOCIN CHALLENGE TEST IN MONITORING HIGH-RISK PREGNANCIES. Cooper JM, Soffronoff EC, Bolognese RJ *Obstet Gynecol* 45: 27-33, Jan 75 (Eng)

HYPEROSMOLALITY AND TRAUMA. Hallberg D *Acta Anaesthesiol Scand [Suppl]* 21-7, 1974 (Eng)

GENERAL METABOLIC RESPONSE TO TRAUMA INCLUDING PAIN INFLUENCE. Thoren L *Acta Anaesthesiol Scand [Suppl]* 9-14, 1974 (Eng)

2.E.3 PITUITARY HORMONES, INTERMEDIATE

[IN VITRO BIOSYNTHESIS OF BOVINE BETA-LIPOTROPIC HORMONE] Bertagna X, Lis M, Gillaudeau C, Chretien M *Can J Biochem* 52: 349-58, May 74 (Fre)

PROCEEDINGS: FAMILIAL GLUCOCORTICOID DEFICIENCY. Thistlethwaite D, Darling JA, Fraser R, Rees LH, Harkness RA *J Endocrinol* 63: 48p-49p, Nov 74 (Eng)

2.E.4 PITUITARY HORMONE RELEASING FACTORS

PURIFICATION OF A PROLACTIN INHIBITING HORMONE AND THE REVEALING OF HORMONE D-GHIH WHICH INHIBITS THE RELEASE OF GROWTH HORMONE. Greibrokk T, Currie BL, Johansson NK, Hansen JJ, Folkers K *Biochem Biophys Res Commun* 59: 704-9, 24 Jul 74 (Eng)

THE ADENOHYPHYSIAL RESPONSE TO STRESS AND ITS HYPOTHALAMIC CONTROL. McCann SM, Krulich L, Illner P, Quijada M, Ajika K, Fawcett CP *Adv Exp Med Biol* 33: 157-64, 1972 (Eng)

THE INHIBITION BY SOMATOSTATIN OF THE THYROTROPIN RESPONSE TO THYROTROPIN-RELEASING HORMONE IN NORMAL SUBJECTS. Weekie J, Hansen AP, Lundback K *Scand J Clin Lab Invest* 33: 101-3, Apr 74 (Eng)

USES OF PROLACTIN- AND GROWTH HORMONE-PRODUCING RAT PITUITARY TUMOR CELLS IN CULTURE. Hinkle PM *Lloydia* 37: 192-5, Jun 74 (Eng)

PROCEEDINGS: THE RELATIONSHIP BETWEEN PROLACTIN AND GONADOTROPHINS: EFFECTS OF CLOMIPHENE ADMINISTRATION IN NORMAL MEN. Thorner MO, Besser GM, Hagen C, McNeilly AS *J Endocrinol* 63: 43p-44p, Nov 74 (Eng)

2.E.5 HYPOPHYSECTOMY

[PROCEEDINGS: DYNAMICS OF GROWTH HORMONE SECRETION IN ACROMEGALY AND NORMAL ANTERIOR PITUITARY GLAND FUNCTION] Huff H, Werder K von *Munch Med Wochenschr* 116: 1107, 31 May 74 (Ger)

ANTERIOR HYPHYSIAL FUNCTION IN THE POSTERIOR-HYPHYSIOTOMIZED RAT: NORMAL REGULATION OF THE ADRENAL SYSTEM. Miller RE, Yueh-Chien H, Wiley MK, Hewitt R *Neuroendocrinology* 14: 233-50, 74 (Eng)

BIOASSAY OF GROWTH HORMONE. II. DETERMINATION OF LONGITUDINAL BONE GROWTH WITH TETRACYCLINE IN THYROID-TREATED HYPOPHYSECTOMIZED RATS. Thorngren KG, Hansson LI *Acta Endocrinol (Kbh)* 75: 669-82, Apr 74 (Eng)

BIOASSAY OF GROWTH HORMONE. I. DETERMINATION OF LONGITUDINAL BONE GROWTH WITH TETRACYCLINE IN HYPOPHYSECTOMIZED RATS. Thorngren KG, Hansson LI *Acta Endocrinol (Kbh)* 75: 653-68, Apr 74 (Eng)

MECHANISMS OF HYPERGLYCEMIC RESPONSE TO CHLORPROMAZINE ADMINISTERED INTO LATERAL VENTRICLE IN RATS. II. SECRETION OF EPINEPHRINE FROM ADRENAL MEDULLA. Fujimori K, Iwamoto T *Neuropharmacology* 13: 255-60, Apr 74 (Eng)

[ACUTE DIABETIC SYNDROME INDUCED IN RATS BY ANTI-INSULIN SERUM AS AN EXPERIMENTAL MODEL FOR THE STUDY OF SOME ANTI-DIABETIC EFFECTS] Andreev D, Strashimirov S, Ditsov GD *Eksp Med Morfol* 13: 95-101, 1974 (Bul)

DIFFERENT MECHANISMS IN TESTOSTERONE ACTION ON GLYCOGEN METABOLISM IN RAT PERINEAL AND SKELETAL MUSCLES. Bergamini E *Endocrinology* 96: 77-84, Jan 75 (Eng)

2.E.6 PITUITARY DISORDERS

[PATHOLOGY OF SOMATOTROPIC HORMONE] Anonymous *Annee Endocrinol* 25: 93-102, 1973 (Fre)

[PROCEEDINGS: DYNAMICS OF GROWTH HORMONE SECRETION IN ACROMEGALY AND NORMAL ANTERIOR PITUITARY GLAND FUNCTION] Huff H, Werder K von *Munch Med Wochenschr* 116: 1107, 31 May 74 (Ger)

[SOMATOMEDIN ACTIVITY OF THE SERUM IN THE NORMAL CHILD AND IN HYPOPITUITARISM] Binet E, Schlumberger A, Chausain JL, Job JC *Arch Fr Pediatr* 31: 339-46, Apr 74 (Fre)

[SOMATOMEDINS AND GROWTH] Job JC, Rapaport R *Arch Fr Pediatr* 31: 333-7, Apr 74 (Fre) [29]

HORMONES AND LYMPHOID TISSUES. CONTACT SENSITIVITY AND DETECTION OF THETA-CELLS IN PITUITARY DWARF MICE. Baroni CD, Doria G *Adv Exp Med Biol* 29: 655-60, 1973 (Eng)

PITUITARY APOPLEXY IN ACROMEGALY FOLLOWED BY PARTIAL PITUITARY INSUFFICIENCY. Jacobi JD, Fishman LM, Daroff RB *Arch Intern Med* 134: 559-61, Sep 74 (Eng)

THE METABOLIC RESPONSE TO EXERCISE AND EXHAUSTION IN NORMAL AND GROWTH-HORMONE-DEFICIENT CHILDREN. Winter JS *Can J Physiol Pharmacol* 52: 575-82, Jun 74 (Eng)

LONG-TERM INFUSION OF GROWTH HORMONE RELEASE INHIBITING HORMONE IN ACROMEGALY: EFFECTS ON PITUITARY AND PANCREATIC HORMONES. Besser GM, Mortimer CH, McNeilly AS, Thorner MO, Batistoni GA, Bloom SR, Kastrup KW, Hanssen KF, Hall R, Coy DH, Kastin AJ, Schally AV *Br Med J* 4: 622-7, 14 Dec 74 (Eng)

[ADRENAL RESERVE IN DIABETES INSIPIDUS TREATED WITH CHLORPROPAMIDE] Mazanek E, Zalewski J, Kowalski S, Panek E, Starzewska H *Endokrynol Pol* 26: 17-20, Jan-Feb 75 (Pol)

DEFECTIVE GROWTH HORMONE SECRETION IN PRIMARY MICROCEPHALY. Dacou-Voutetakis C, Karpathios T, Logothetis N, Constantinidis M, Matsaniotis N, Michalopoulou E *J Pediatr* 85: 498-502, Oct 74 (Eng)

THE GLUCAGON INFUSION TEST AND GROWTH HORMONE SECRETION. AvRuskin TW, Tang SC, Juan CS *J Pediatr* 86: 102-6, Jan 75 (Eng)

SHORT STATURE AS THE ONLY CLINICAL SIGN OF CUSHINGS SYNDROME. Lee PA, Weldon VV, Migeon CJ *J Pediatr* 86: 89-91, Jan 75 (Eng)

LETTER: A TREATMENT FOR DIABETES INSIPIDUS. Johnston AL *NZ Med J* 80: 315, 9 Oct 74 (Eng)

MACROGLOSSIA, TRANSIENT NEONATAL DIABETES MELLITUS AND INTRAUTERINE GROWTH FAILURE: A NEW DISTINCT ENTITY Dacou-Voutetakis C, Anagnostakis D, Xanthou M *Pediatrics* 55: 127-31, Jan 75 (Eng)

[SOMATOTROPIC FUNCTION OF THE HYPHYSIS. TOLERANCE TESTS AS A METHOD OF EVALUATION OF THE SOMATOTROPIC FUNCTION OF THE HYPHYSIS] Sokolov IaA, Vasilenko VV, Fedotov VP *Probl Endokrinol (Musk)* 20: 16-22, Sep-Oct 74 (Rus)

TRAUMA: HORMONAL FACTORS WITH SPECIAL REFERENCE TO DIABETES MELLITUS. Eftendic S, Cerasi E, Luft R *Acta Anaesthesiol Scand [Suppl]* 107-19, 1974 (Eng)

2.F GONADS

2.F.1 OVARY

ANTERIOR HYPHYSIAL FUNCTION IN THE POSTERIOR-HYPHYSIOTOMIZED RAT: NORMAL REGULATION OF THE ADRENAL SYSTEM. Miller RE, Yueh-Chien H, Wiley MK, Hewitt R *Neuroendocrinology* 14: 233-50, 74 (Eng)

PROLACTIN STIMULATION OF ESTROGEN RECEPTOR IN VITRO IN 7,12 DIMETHYLBENZ(A)ANTHRACENE-INDUCED MAMMARY TUMOR. Sasaki GH, Leung BS *Res Commun Chem Pathol Pharmacol* 8: 409-12, Jun 74 (Eng)

2.F.2 TESTIS

ANTERIOR HYPHYSIAL FUNCTION IN THE POSTERIOR-HYPHYSIOTOMIZED RAT: NORMAL REGULATION OF THE ADRENAL SYSTEM. Miller RE, Yueh-Chien H, Wiley MK, Hewitt R *Neuroendocrinology* 14: 233-50, 74 (Eng)

THE ROLE OF CYCLIC AMP IN THE REGULATION OF STEROID BIOSYNTHESIS IN TESTIS TISSUE. Rommerts FF, Cooke BA, Molen HJ van der *J Steroid Biochem* 5: 279-85, May 74 (Eng) [94]

2.G OTHER ENDOCRINES AND RELATED TERMS

[EFFECT OF HYDROCORTISONE, THYROXINE AND ALLOXAN DIABETES ON THE INCORPORATION OF THE LABELLED ACETATE-1-C¹⁴ INTO THE LIPIDS OF THE ADRENAL GLANDS AND TESTIS IN RATS] Kheidemanis KK, Petushkova TN *Probl Endokrinol (Mosk)* 20: 100-4, Sep-Oct 74 (Rus)

2.F.3 SEX HORMONES

2.F.3.1 ANDROGENS

THE ROLE OF CYCLIC AMP IN THE REGULATION OF STEROID BIOSYNTHESIS IN TESTIS TISSUE. Rommerts FF, Cooke BA, Molen HJ van der *J Steroid Biochem* 5: 279-85, May 74 (Eng) [94]

DIFFERENT MECHANISMS IN TESTOSTERONE ACTION ON GLYCOGEN METABOLISM IN RAT PERINEAL AND SKELETAL MUSCLES. Bergamini E *Endocrinology* 96: 77-84, Jan 75 (Eng)

PROCEEDINGS: THE RELATIONSHIP BETWEEN PROLACTIN AND GONADOTROPHINS: EFFECTS OF CLOMIPHENE ADMINISTRATION IN NORMAL MEN. Thorner MO, Besser GM, Hagen C, McNeilly AS *J Endocrinol* 63: 43p-44p, Nov 74 (Eng)

PROCEEDINGS: INSULIN AND TESTOSTERONE RESPONSES IN CULTURED PROSTATE. Fuller DJ, Coleshill SM, Chan KM, Thomas GH *J Endocrinol* 63: 59p, Nov 74 (Eng)

[HYPOFIBRINOLYSIS IN ACUTE MYOCARDIAL INFARCTION (AUTHORS TRANSL)] Bruhn HD, Jipp P, Okoye S, Oltmann A *Med Klin* 69: 1951-5, 22 Nov 74 (Ger)

[LETTER: FALL IN PLASMA TESTOSTERONE LEVELS DURING ORAL GLUCOSE TOLERANCE TEST] Cathelineau G, Roger M, Soldat MC *Nouv Presse Med* 3: 2109, 5 Oct 74 (Fre)

GENERAL METABOLIC RESPONSE TO TRAUMA INCLUDING PAIN INFLUENCE. Thoren L *Acta Anaesthesiol Scand [Suppl]* 9-14, 1974 (Eng)

2.F.3.2 ESTROGENS

[REGULATION OF ESTROGEN RECEPTORS IN MAMMARY TUMORS: ACTION OF PROLACTIN IN VIVO] Vignon F, Rochefort H *C R Acad Sci [D]* (Paris) 278: 103-6, Jan 74 (Fre)

EFFECT OF ESTRADIOL ON LIPOLYSIS AND ADENOSINE 3,5-MONOPHOSPHATE ACCUMULATION IN ISOLATED RAT ADIPOCYTES. Mitznegg P, Estler CJ, Schubert E *Biochem Pharmacol* 23: 2337-9, 15 Aug 74 (Eng)

PROLACTIN STIMULATION OF ESTROGEN RECEPTOR IN VITRO IN 7,12 DIMETHYLBENZ(A)ANTHRACENE-INDUCED MAMMARY TUMOR. Sasaki GH, Leung BS *Res Commun Chem Pathol Pharmacol* 8: 409-12, Jun 74 (Eng)

SEX RELATED DIURNAL VARIATIONS IN VENOUS BLOOD GLUCOSE AND PLASMA INSULIN LEVELS. EFFECTS OF ESTROGENS IN MEN. Hauteceuvre M, Siam G, Assan R, Tchobroutsky G *Diabetologia* 10: 725-30, Dec 74 (Eng)

PROCEEDINGS: THE RELATIONSHIP BETWEEN PROLACTIN AND GONADOTROPHINS: EFFECTS OF CLOMIPHENE ADMINISTRATION IN NORMAL MEN. Thorner MO, Besser GM, Hagen C, McNeilly AS *J Endocrinol* 63: 43p-44p, Nov 74 (Eng)

[HYPOFIBRINOLYSIS IN ACUTE MYOCARDIAL INFARCTION (AUTHORS TRANSL)]

Bruhn HD, Jipp P, Okoye S, Oltmann A *Med Klin* 69: 1951-5, 22 Nov 74 (Ger)

PHYSIOLOGICAL CONTROL OF GROWTH HORMONE IN THE RABBIT. McIntyre HB, Odell WD *Neuroendocrinology* 16: 8-21, 1974 (Eng)

ORAL CONTRACEPTION. A REVIEW OF REPORTED PHYSIOLOGICAL AND PATHOLOGICAL EFFECTS. Andrews WC *Obstet Gynecol Surv* 26: 477-99, Jul 71 (Eng) [174]

CURRENT STATUS OF ESTROGEN ASSAYS IN OBSTETRICS AND GYNECOLOGY. 2: ESTROGEN ASSAYS IN LATE PREGNANCY. Beischer NA, Brown JB *Obstet Gynecol Surv* 27: 303-43, May 72 (Eng) [103]

ESTRIOL IN PREGNANCY. Ostergard DR *Obstet Gynecol Surv* 28: 215-31, Apr 73 (Eng) [201]

OXYTOCIN CHALLENGE TEST IN MONITORING HIGH-RISK PREGNANCIES. Cooper JM, Soffronoff EC, Bolognese RJ *Obstet Gynecol* 45: 27-33, Jan 75 (Eng)

METABOLIC EFFECT OF CONJUGATED OESTROGENS (USP) ON GLUCOSE TOLERANCE. Notelovitz M *S Afr Med J* 48: 2599-603, 21 Dec 74 (Eng)

2.F.3.3 CORPUS LUTEUM AND PROGESTATIONAL HORMONES

2.F.3.3.1 CORPUS LUTEUM HORMONES

2.F.3.3.2 PROGESTATIONAL HORMONES

THE DEVELOPMENT OF PHOSPHOPYRUVATE CARBOXYLASE AND GLUCONEOGENESIS IN NEONATAL RATS. Pearce PH, Buirchell BJ, Weaver PK, Oliver IT *Biol Neonate* 24: 320-9, 1974 (Eng)

PROCEEDINGS: FAMILIAL GLUCOCORTICOID DEFICIENCY. Thistlethwaite D, Darling JA, Fraser R, Rees LH, Harkness RA *J Endocrinol* 63: 48p-49p, Nov 74 (Eng)

ORAL CONTRACEPTION. A REVIEW OF REPORTED PHYSIOLOGICAL AND PATHOLOGICAL EFFECTS. Andrews WC *Obstet Gynecol Surv* 26: 477-99, Jul 71 (Eng) [174]

[BIRTH CONTROL METHODS IN PSYCHIATRY] Audebert A, Emperaire JC, Cohen J, Bourgeois M *Ann Med Psychol (Paris)* 2: 92-127, Jun 74 (Fre)

2.F.3.4 CONTRACEPTIVES, ORAL

DECREASED GLUCAGON ACTIVITY: A MECHANISM FOR GENETIC AND ACQUIRED ENDOGENOUS HYPERLIPAEMIA. Eaton RP, Schade DS, Conway M *Lancet* 2: 1545-7, 28 Dec 74 (Eng)

[BIRTH CONTROL METHODS IN PSYCHIATRY] Audebert A, Emperaire JC, Cohen J, Bourgeois M *Ann Med Psychol (Paris)* 2: 92-127, Jun 74 (Fre)

2.F.4 GONADAL DISORDERS

PROCEEDINGS: THE RELATIONSHIP BETWEEN PROLACTIN AND GONADOTROPHINS: EFFECTS OF CLOMIPHENE ADMINISTRATION IN NORMAL MEN. Thorner MO, Besser GM, Hagen C, McNeilly AS *J Endocrinol* 63: 43p-44p, Nov 74 (Eng)

[RESULTS OF THE STUDY OF SOMATOTROPIC FUNCTION OF THE HYPOPHYSIS WITH THE AID OF INSULIN TOLERANCE TEST IN PATIENTS WITH HYPOGONADISM]

Nekrasova LV, Sokolov IaA, Marova EI *Probl Endokrinol (Mosk)* 20: 31-6, Sep-Oct 74 (Rus)

2.G OTHER ENDOCRINES AND RELATED TERMS

2.G.1 ENDOCRINE GLANDS

EDITORIAL: THE NEW ORCHESTRATION. Vaisrub S *JAMA* 229: 1476, 9 Sep 74 (Eng)

ENDOCRINE ALTERATIONS IN DELIRIUM TREMENS. Dobrzanski T *Q J Stud Alcohol* 35: 1205-11, Dec 74 (Eng)

2.G.2 HORMONES

[REGULATION OF ESTROGEN RECEPTORS IN MAMMARY TUMORS: ACTION OF PROLACTIN IN VIVO] Vignon F, Rochefort H *C R Acad Sci [D]* (Paris) 278: 103-6, Jan 74 (Fre)

EDITORIAL: NEW CONCEPTS IN ADIPOSE TISSUE METABOLISM AND OBESITY. Turtle JR *Drugs* 7: 321-2, 1974 (Eng)

EDITORIAL: THE NEW ORCHESTRATION. Vaisrub S *JAMA* 229: 1476, 9 Sep 74 (Eng)

IS CORTISOL METABOLIZED AS IT DISASSOCIATES FROM GLUCOCORTICOID RECEPTORS IN THYMUS CELLS. Munck A, Brinck-Johnsen T *J Steroid Biochem* 5: 203-5, May 74 (Eng)

MATHEMATICS OF HORMONE-RECEPTOR INTERACTION. I. BASIC PRINCIPLES. Rodbard D *Adv Exp Med Biol* 36: 289-326, 1973 (Eng)

PROLACTIN STIMULATION OF ESTROGEN RECEPTOR IN VITRO IN 7,12 DIMETHYLBENZ(A)ANTHRACENE-INDUCED MAMMARY TUMOR. Sasaki GH, Leung BS *Res Commun Chem Pathol Pharmacol* 8: 409-12, Jun 74 (Eng)

THEORY OF HORMONE-RECEPTOR INTERACTION. 3. THE ENDOCRINE TARGET CELL AS A QUANTAL RESPONSE UNIT: A GENERAL CONTROL MECHANISM. Rodbard D *Adv Exp Med Biol* 36: 342-64, 1973 (Eng)

THEORY OF RADIOIMMUNOASSAYS AND HORMONE-RECEPTOR INTERACTIONS. II. SIMULATION OF ANTIBODY DIVALENCY, COOPERATIVITY AND ALLOSTERIC EFFECTS. Rodbard D, Bertino RE *Adv Exp Med Biol* 36: 327-41, 1973 (Eng)

POWER-POINT SYSTEM TO EVALUATE RADIOIMMUNOASSAYS. Cerceo E *Lab Pract* 23: 625-9, Nov 74 (Eng)

[INSULIN RECEPTORS AND MECHANISM OF THE ACTION OF INSULIN IN THE BODY] Staroseltseva LK *Probl Endokrinol (Mosk)* 20: 108-13, Sep-Oct 74 (Rus)

BINDING OF INSULIN AND OTHER HORMONES TO NON-RECEPTOR MATERIALS: SATURABILITY, SPECIFICITY AND APPARENT NEGATIVE COOPERATIVITY. Cuatrecasas P, Hollenberg MD *Biochem Biophys Res Commun* 62: 31-41, 6 Jan 75 (Eng)

THE STIMULUS-SECRETION COUPLING OF GLUCOSE-INDUCED INSULIN RELEASE. XVII. EFFECTS OF SULFONYLUREAS AND DIAZOXIDE ON INSULAR BIOSYNTHETIC ACTIVITY. Levy J, Malaisse WJ *Biochem Pharmacol* 24: 235-9, 15 Jan 75 (Eng)

2.G.2.1 GASTROINTESTINAL HORMONES

2.G OTHER ENDOCRINES AND RELATED TERMS

[STIMULATION OF CYCLIC AMP AND CYCLIC GMP IN RAT PANCREAS STIMULATED BY GASTRO-INTESTINAL HORMONES IN VIVO AND IN VITRO] Deschodt-Lanckman M, Robberecht P, De Neef P, Christophe J *Arch Int Physiol Biochim* 82: 180, Feb 74 (Fre)

[WDHA (WATERY DIARRHEA, HYPOKALEMIA, A CHLORHYDRIA) SYNDROME] Saito R, Himeno S, Toei N *Jap J Clin Med* 32: 711-8, 10 Apr 74 (Jap) [38]

THE INTERACTION OF VASOACTIVE INTESTINAL POLYPEPTIDE AND SECRETIN WITH LIVER-CELL MEMBRANES. Desbuquois B *Eur J Biochem* 46: 439-50, 1 Aug 74 (Eng)

SIGNIFICANCE OF ACID AMYLOGLYCOSIDASE IN SULPHONYLUREA-INDUCED INSULIN RELEASE. Lundquist I *Diabetologia* 10: 717-24, Dec 74 (Eng)

PATHOMORPHOLOGIC, BIOCHEMICAL, AND DIAGNOSTIC ASPECTS OF GASTRINOMAS (ZOLLINGER-ELLISON SYNDROME). Creutzfeldt W, Arnold R, Creutzfeldt C, Track NS *Hum Pathol* 6: 47-76, Jan 75 (Eng)

[QUANTITATIVE STUDIES OF THE EFFECT OF PANCREATIC GLUCAGON AND SECRETIN ON GASTROINTESTINAL MOTILITY IN MAN RECORDED BY SIMULTANEOUS ELECTRO-MANOMETRIC REGISTRATION (AUTHORS TRANSL.)] Paul F *Klin Wochenschr* 52: 983-9, 15 Oct 74 (Ger)

RECURRENT ACUTE PANCREATITIS IN PATIENTS WITH CYSTIC FIBROSIS WITH NORMAL PANCREATIC ENZYMES. Shwachman H, Lebenthal E, Khaw KT *Pediatrics* 55: 86-95, Jan 75 (Eng)

GLUCAGON AND THE PANCREAS, LIVER AND BILE DUCTS. Barbezat GO *S Afr J Surg* 12: 213-7, Dec 74 (Eng) [35]

[INTESTINAL HORMONES IN DIABETES] Tsvetanov L *Vutr Boles* 13: 1-6, 1974 (Bul) [40]

DIABETES MELLITUS—A MEMBRANE RECEPTOR DEFECT. Connelly PE, Turtle JR *Aust NZ J Med* 4: 228-36, Jun 74 (Eng)

2.G.2.2 PROSTAGLANDINS

[STIMULATION BY THYROTROPIN OF THYROID GLAND CALCIUM MOBILIZATION] Rodesch F, Bogaert C, Dumont JE *C R Acad Sci [D] (Paris)* 278: 931-4, 11 Feb 74 (Fre)

EXISTENCE OF TWO POOLS OF PROSTAGLANDINS DURING STIMULATION

OF THE THYROID BY TSH. Haye B, Champion S, Jacquemin C *FEBS Lett* 41: 89-93, 15 Apr 74 (Eng)

GLUCOSE OXIDATION IN ALVEOLAR MACROPHAGES: PHARMACOLOGIC FEATURES. Gee JB, Khandwala AS, McKeever PE, Malawista SE *J Reticuloendothel Soc* 15: 387-93, May 74 (Eng)

HORMONAL CONTROL OF LIPOLYSIS. Galton DJ *Proc R Soc Med* 67: 661-2, Jun 74 (Eng)

LETTER: DIETARY FAT AND CORONARY HEART DISEASE. Briggs MH *Med J Aust* 1: 970-1, 15 Jun 74 (Eng)

[CONCEPT OF METABOLIC DEVIATIONS] Charvat AJ *Vnitr Lek* 21: 1-5, Jan 75 (Cze)

2.G.2.3 HORMONES, ECTOPIC

SECRETION OF HYPERGLYCAEMIC HORMONE FROM THE CORPUS CARDIACUM OF FLYING BLOWFLIES, CALLIPHORA ERYTHROCEPHALA. Vejbjerg K, Normann TC *J Insect Physiol* 20: 1189-92, Jul 74 (Eng)

2.G.2.4 PLACENTAL HORMONES

THE ROLE OF CYCLIC AMP IN THE REGULATION OF STEROID BIOSYNTHESIS IN TESTIS TISSUE. Rommerts FF, Cooke BA, Molen HJ van der *J Steroid Biochem* 5: 279-85, May 74 (Eng) [94]

CARBOHYDRATE METABOLISM IN PREGNANCY. XII. THE EFFECT OF ORAL GLUCOSE ON PLASMA CONCENTRATIONS OF HUMAN PLACENTAL LACTOGEN AND CHORIONIC GONADOTROPIN DURING LATE PREGNANCY IN NORMAL SUBJECTS AND GESTATIONAL DIABETICS. Surmaczynska BZ, Nitzan M, Metzger BE, Freinkel N *Isr J Med Sci* 10: 1481-6, Dec 74 (Eng)

PROCEEDINGS: THE RELATIONSHIP BETWEEN PROLACTIN AND GONADOTROPHINS: EFFECTS OF CLOMIPHENE ADMINISTRATION IN NORMAL MEN. Thorner MO, Besser GM, Hagen C, McNeilly AS *J Endocrinol* 63: 43p-44p, Nov 74 (Eng)

2.G.2.5 RELAXIN

2.G.2.6 JUVENILE HORMONES

2.G.3 CHROMAFFIN SYSTEM

2.G.4 PINEAL BODY

2.G.5 PITUITARY-ADRENAL SYSTEM

ANTERIOR HYPOPHYSIAL FUNCTION IN THE POSTERIOR-HYPOPHYSECTOMIZED RAT: NORMAL REGULATION OF THE ADRENAL SYSTEM. Miller RE, Yueh-Chien H, Wiley MK, Hewitt R *Neuroendocrinology* 14: 233-50, 74 (Eng)

ROLE OF BRAIN NORADRENALINE IN THE REGULATION OF PITUITARY-ADRENOCORTICAL FUNCTIONS. Kumeda H, Uchimura H, Kawabata T, Maeda Y, Okamoto O *J Endocrinol* 62: 161-2, Jul 74 (Eng)

EFFECTS OF SURGICAL TREATMENT ON HYPOTHALAMO-PITUITARY-ADRENOCORTICAL FUNCTIONS IN PITUITARY CHROMOPHOBE ADENOMA AND CRANIOPHARYNGIOMA. Nishida S, Ando S, Kitamura K, Tomonaga M *Endocrinol Exp (Bratisl)* 8: 269-79, Dec 74 (Eng)

2.G.6 SECRETORY RATE

GLYCOSYLTRANSFERASES IN CANINE RESPIRATORY TISSUE. ALTERATIONS IN AN EXPERIMENTALLY INDUCED HYPERSECRETORY STATE. Baker AP, Chakrin LW, Sawyer JL, Munro JR, Hillegass LM, Giannone E *Biochem Med* 10: 387-99, Aug 74 (Eng)

PATTERNS OF SPONTANEOUS CORTISOL AND GROWTH HORMONE SECRETION IN RHESUS MONKEYS DURING THE SLEEP-WAKING CYCLE. Jacoby JH, Sasson JF, Greenstein M, Weitzman ED *Neuroendocrinology* 14: 165-73, 74 (Eng)

INFLUENCE OF GLUCAGON ON CANALICULAR BILE PRODUCTION IN THE DOG. Khedisi A, Dumont M, Duval M, Erlinger S *Biomedicine [Express]* 21: 176-81, 10 Apr 74 (Eng)

EPIDEMIOLOGY OF DIABETES MELLITUS. Beaven DW, Arcus AC, Bell JP, Smith JR *NZ Med J* 80: 291-9, 9 Oct 74 (Eng)

VESICULAR BINESIS: GLUCOSE EFFECT ON INSULIN SECRETORY VESICLES. Gabbay KH, Korff J, Schneberger EE *Science* 187: 177-9, 17 Jan 75 (Eng)

CURRENT CONCEPTS RELATING TO METABOLIC CHANGES AFTER PORTACAVAL SHUNTS, AND ALCOHOL AND THE PANCREAS. (2). ALCOHOL AND THE PANCREAS. Wheatley IC, Waterworth MW, Barbezat GO, Bank S, Marks S, Hickman R, Terblanche J *S Afr J Surg* 12: 202-4, Dec 74 (Eng)

Diabetes Literature—Keyword Index

ABDOMINAL OPERATION

[EXPERIMENTAL OBSERVATIONS ON GASTROINTESTINAL MOTILITY AND ABSORPTIVE FUNCTION AFTER ABDOMINAL OPERATION] Anonymous *Chin Med J* 7: 394-8, 1974 (Chi)

ABSORPTION, INTESTINAL

[SIGNIFICANCE OF THE SODIUM ION IN THE INTESTINAL ABSORPTION OF SUGARS] Ponz F *Rev Med Univ Navarra* 17: 95-119, Jun 73 (Spa) [231]

ABSORPTIVE FUNCTION

[EXPERIMENTAL OBSERVATIONS ON GASTROINTESTINAL MOTILITY AND ABSORPTIVE FUNCTION AFTER ABDOMINAL OPERATION] Anonymous *Chin Med J* 7: 394-8, 1974 (Chi)

ACETATE-1-C14

[EFFECT OF HYDROCORTISONE, THYROXINE AND ALLOXAN DIABETES ON THE INCORPORATION OF THE LABELLED ACETATE-1-C14 INTO THE LIPIDS OF THE ADRENAL GLANDS AND TESTIS IN RATS] Kheidemanis KK, Petushkova TN *Probl Endokrinol (Mosk)* 20: 100-4, Sep-Oct 74 (Rus)

ACETONEMIA

DEGREE OF ACETONAEMIA FOLLOWING EPINEPHRINE INFUSION TO DETERMINE BIOCHEMICAL CHARACTERIZATION OF DIABETES MELLITUS. Malik TK, Kumar V, Ahuja MM *Indian J Med Res* 62: 80-5, Jan 74 (Eng)

ACETYLCHOLINE EFFECT

EFFECTS OF ACETYLCHOLINE ON INCORPORATION OF (14C)GLUCOSE INTO PHOSPHATIDYLINOSITOL AND ON PHOSPHATIDYLINOSITOL BREAKDOWN IN SUBCELLULAR FRACTIONS FROM CEREBRAL CORTEX. Lapetina EG, Michell RH *J Neurochem* 23: 283-7, Jul 74 (Eng)

ACHLORHYDRIA

[WDHA (WATERY DIARRHEA, HYPOKALEMIA, A CHLORHYDRIA) SYNDROME] Saito R, Himeno S, Toci N *Jap J Clin Med* 32: 711-8, 10 Apr 74 (Jap) [38]

ACHOLEPLASMA LAIDLAWII

CONTROL OF MEMBRANE LIPID FLUIDITY IN ACHOLEPLASMA LAIDLAWII. Huang L, Lorch SK, Smith GG, Haug A *FEBS Lett* 43: 1-5, 1 Jul 74 (Eng)

ACHOLEPLASMA LAIDLAWII CELL

[ISOLATION OF MEMBRANE PREPARATIONS FROM ACHOLEPLASMA LAIDLAWII CELLS AND THEIR TRANSPORT CHARACTERISTICS] Fedotov NS, Panchenko LF, Tarshis MA *Mikrobiologiya* 43: 543-5, 1974 (Rus)

POLYENE ANTIBIOTIC-STEROL INTERACTIONS IN MEMBRANES OF ACHOLEPLASMA LAIDLAWII CELLS AND LECITHIN LIPOSOMES. I. SPECIFICITY OF THE MEMBRANE PERMEABILITY CHANGES INDUCED BY THE POLYENE ANTIBIOTICS. Kruijff B de, Gerritsen WJ, Oerlemans A, Demel RA, Deenen LL van *Biochim Biophys Acta* 339: 30-43, 26 Feb 74 (Eng)

POLYENE ANTIBIOTIC-STEROL INTERACTIONS IN MEMBRANES OF ACHOLEPLASMA LAIDLAWII CELLS AND LECITHIN LIPOSOMES. 3. MOLECULAR STRUCTURE OF THE POLYENE ANTIBIOTIC-CHOLESTEROL COMPLEXES. Kruijff B de, Demel RA *Biochim Biophys Acta* 339: 57-70, 26 Feb 74 (Eng)

POLYENE ANTIBIOTIC-STEROL INTERACTIONS IN MEMBRANES OF ACHOLEPLASMA LAIDLAWII CELLS AND LECITHIN LIPOSOMES. II. TEMPERATURE DEPENDENCE OF THE POLYENE ANTIBIOTIC-STEROL COMPLEX FORMATION. Kruijff B de, Gerritsen WJ, Oerlemans A, Dijk PW van, Demel RA, Deenen LL van *Biochim Biophys Acta* 339: 44-56, 26 Feb 74 (Eng)

ACID BASE EQUILIBRIUM

EFFECTS OF FRUCTOSE AND GLUCOSE INFUSIONS ON BLOOD ACID-BASE EQUILIBRIUM IN THE POSTOPERATIVE PERIOD. Hesselov I *Acta Chir Scand* 140: 347-51, 1974 (Eng)

ACIDOSIS

[RUMEN ACIDOSIS AND THE DIABETIC SYNDROME IN CATTLE] Ivanov IT *Vet Med Nauki* 11: 59-63, 1974 (Bul)

ACIDOSIS, LACTIC

LETTER: THERAPY OF LACTIC ACIDOSIS. Freeman H, Campbell D N *Engl J Med* 292: 263-4, 30 Jan 75 (Eng)

[BONE-MARROW TOXICITY, LACTIC ACIDOSIS, AND DISSEMINATED INTRAVASCULAR COAGULATION FOLLOWING PHENFORMIN MEDICATION] Riedler GF, Keusch G, Schmid M *Schweiz Med Wochenschr* 104: 1160-6, 17 Aug 74 (Ger)

ACROMEGALY

[PROCEEDINGS: DYNAMICS OF GROWTH HORMONE SECRETION IN ACROMEGALY AND NORMAL ANTERIOR PITUITARY GLAND FUNCTION] Huff H, Werder K von *Munch Med Wochenschr* 116: 1107, 31 May 74 (Ger)

PITUITARY APOPLEXY IN ACROMEGALY FOLLOWED BY PARTIAL PITUITARY INSUFFICIENCY. Jacobi JD, Fishman LM, Daroff RB *Arch Intern Med* 134: 559-61, Sep 74 (Eng)

LONG-TERM INFUSION OF GROWTH HORMONE RELEASE INHIBITING HORMONE IN ACROMEGALY: EFFECTS ON PITUITARY AND PANCREATIC HORMONES. Besser GM, Mortimer CH, McNeilly AS, Thorner MO, Batistoni GA, Bloom SR, Kastrop KW, Hanssen KF, Hall R, Coy DH, Kastin AJ, Schally AV *Br Med J* 4: 622-7, 14 Dec 74 (Eng)

ACYL COENZYME A

AN APPRAISAL OF THE FUNCTIONAL SIGNIFICANCE OF THE INHIBITORY EFFECT OF LONG CHAIN ACYL-COAS ON MITOCHONDRIAL TRANSPORTS. Morel F, Lauquin G, Lunardi J, Duszynski J, Vignais PV *FEBS Lett* 39: 133-8, 15 Feb 74 (Eng)

EFFECT OF FATTY ACIDS AND ACYL-COA ON THE PERMEABILITY OF MITOCHONDRIAL MEMBRANES TO MONOVALENT CATIONS. Wojtczak L *FEBS Lett* 44: 25-30, 15 Aug 74 (Eng)

ACYLATION

ACYLATION OF MONOGLYCERIDES BY LOCUST FAT-BODY MICROSOMES. Peled Y, Tietz A *FEBS Lett* 41: 65-8, 15 Apr 74 (Eng)

ADAPTATION EFFECT

EFFECT OF ADAPTATION TO HIGH ALTITUDE ON COMPONENTS OF BLOOD AND URINE OF LOWLANDERS COMPARED WITH HIGH ALTITUDE NATIVES. Shivastava KK, Malhotra MS *Int J Biometeorol* 18: 229-87, Dec 74 (Eng)

ADAPTED RAT

POSTTRAUMATIC REGULATION OF INSULIN SECRETION IN ADAPTED RATS. Vigas M, Nemeth S, Jurcovicova J *Physiol Bohemoslov* 23: 245-9, 1974 (Eng)

ADENINE NUCLEOTIDE

REGULATION OF PYRUVATE-DEHYDROGENASE INTERCONVERSION IN RAT-LIVER MITOCHONDRIA AS RELATED TO THE PHOSPHORYLATION STATE OF INTRAMITOCHONDRIAL ADENINE NUCLEOTIDES. Wieland OH, Portenhauser R *Eur J Biochem* 45: 577-88, 15 Jun 74 (Eng)

ADENOHYPOPHYSIAL RESPONSE

THE ADENOHYPOPHYSIAL RESPONSE TO STRESS AND ITS HYPOTHALAMIC CONTROL. McCann SM, Krulich L, Illner P, Quijada M, Ajika K, Fawcett CP *Adv Exp Med Biol* 33: 157-64, 1972 (Eng)

ADENOMA

EFFECTS OF SURGICAL TREATMENT ON HYPOTHALAMO-PITUITARY-ADRENOCORTICAL FUNCTIONS IN PITUITARY CHROMOPHOBE ADENOMA AND CRANIOPHARYNGIOMA. Nishida S, Ando S, Kitamura K, Tomonaga M *Endocrinol Exp (Bratisl)* 8: 269-79, Dec 74 (Eng)

ADENOSINE 5-O-TRIPHOSPHATE

YEAST HEXOKINASE REACTION WITH ADENOSINE 5-O-TRIPHOSPHATE AND ADENOSINE 5-O-(1-THIO-TRIPHOSPHATE) MONITORED BY LIQUID CHROMATOGRAPHY. Stahl KW, Schlimme, Eckstein F *FEBS Lett* 40: 241-6, 1 Apr 74 (Eng)

Diabetes Literature—Keyword Index

ADENOSINE 5-O-(1-THIOTRIPHOSPHATE)

ADENOSINE 5-O-(1-THIO-TRIPHOSPHATE)

YEAST HEXOKINASE REACTION WITH ADENOSINE 5-O-TRIPHOSPHATE AND ADENOSINE 5-O-(1-THIO-TRIPHOSPHATE) MONITORED BY LIQUID CHROMATOGRAPHY. Stahl KW, Schlimme, Eckstein F *FEBS Lett* 41: 241-6, 1 Apr 74 (Eng)

ADENOSINE DIPHOSPHATE

BINDING OF MNADP-TO PHOSPHOGLYCERATE KINASE. Chapman BE, O'Sullivan WJ, Scopes RK, Reed GH *FEBS Lett* 41: 189-91, 1 May 74 (Eng)

COMPETITION FOR ADP BETWEEN PYRUVATE KINASE AND MITOCHONDRIAL OXIDATIVE PHOSPHORYLATION AS A CONTROL MECHANISM IN GLYCOLYSIS. Gosalvez M, Perez-Garcia J, Weinhouse S *Eur J Biochem* 46: 133-40, 1 Jul 74 (Eng)

ADENOSINE TRIPHOSPHATASE

BINDING OF A SOLUBILIZED MEMBRANE ATPASE TO PHOSPHOLIPID BILAYERS. Redwood WR, Patel BC *Biochim Biophys Acta* 363: 70-85, 21 Aug 74 (Eng)

THE SODIUM-POTASSIUM ADENOSINETRIPHOSPHATASE. Dahl JL, Hokin LE *Annu Rev Biochem* 43: 327-56, 1974 (Eng) [289]

ADENOSINE TRIPHOSPHATE METABOLISM

METABOLIC STUDIES ON THE ERYTHROCYTE FROM PATIENTS WITH CHRONIC RENAL DISEASE ON HAEMODIALYSIS. II. ATP METABOLISM. Wallas CH *Br J Haematol* 27: 145-52, May 74 (Eng)

ADENOSINE-3,5-CYCLICMONOPHOSPHATE

[STIMULATION OF CYCLIC AMP AND CYCLIC GMP IN RAT PANCREAS STIMULATED BY GASTRO-INTESTINAL HORMONES IN VIVO AND IN VITRO] Deschodt-Lanckman M, Robberecht P, De Neef P, Christophe J *Arch Int Physiol Biochim* 82: 180, Feb 74 (Fre)

EFFECT OF ESTRADIOL ON LIPOLYSIS AND ADENOSINE 3,5-MONOPHOSPHATE ACCUMULATION IN ISOLATED RAT ADIPOCYTES. Mitznegg P, Estler CJ, Schubert E *Biochem Pharmacol* 23: 2337-9, 15 Aug 74 (Eng)

THE EFFECT OF CAMP ON PHOSPHOLIPID METABOLISM. Imre S *Acta Biochim Biophys Acad Sci Hung* 7: 247-9, 1972 (Eng)

THE EFFECT OF NORADRENALINE AND TYRAMINE ON CARDIAC CONTRACTILITY, CYCLIC AMP, AND PHOSPHORYLASE A IN NORMAL AND HYPERTHYROID RATS. Young BA, McNeill JH *Can J Physiol Pharmacol* 52: 375-83, Jun 74 (Eng)

THE ROLE OF CYCLIC AMP IN THE REGULATION OF STEROID BIOSYNTHESIS IN TESTIS TISSUE. Rommerts FF, Cooke BA, Molen HJ van der *J Steroid Biochem* 5: 279-85, May 74 (Eng) [94]

REGULATORY ROLE OF ADENYL CYCLASE AND CYCLIC AMP. Jarrott B, Picken GM *Adv Cardiol* 12: 149-61, 1974 (Eng)

INTERACTION OF AMINO ACIDS AND CYCLIC AMP ON THE RELEASE OF INSULIN AND GLUCAGON BY NEWBORN RAT PANCREAS. Jarrousse C, Rosselin G *Endocrinology* 96: 168-77, Jan 75 (Eng)

EFFECTS OF HORMONES ON CYCLIC AMP RELEASE FROM RAT ADIPOSE TISSUE IN VITRO. Zumstein P, Zapf J, Froesch ER *FEBS Lett* 49: 65-9, 1 Dec 74 (Eng)

ADENYL CYCLASE

REGULATORY ROLE OF ADENYL CYCLASE AND CYCLIC AMP. Jarrott B, Picken GM *Adv Cardiol* 12: 149-61, 1974 (Eng)

ADENYL CYCLASE ACTIVITY

ADENYL CYCLASE ACTIVITY IN DEVELOPING RAT HEART. Brus R *Pol J Pharmacol Pharm* 26: 337-40, May-Jun 74 (Eng)

ADIPOCYTE, ISOLATED RAT

EFFECT OF ESTRADIOL ON LIPOLYSIS AND ADENOSINE 3,5-MONOPHOSPHATE ACCUMULATION IN ISOLATED RAT ADIPOCYTES. Mitznegg P, Estler CJ, Schubert E *Biochem Pharmacol* 23: 2337-9, 15 Aug 74 (Eng)

ADIPOCYTE, RAT

HETEROGENEITY OF TRIGLYCERIDE LIPASE OF RAT ADIPOCYTES. COMPARISON OF TRIGLYCERIDE AND MONOGLYCERIDE LIPASE ACTIVITIES IN SOLUBLE AND PARTICULATE FRACTIONS. Chmelarova M, Chmelar M *Eur J Biochem* 44: 235-42, 2 May 74 (Eng)

ADIPOKINETIC EFFECT

TO THE ADIPOKINETIC EFFECT OF SEROTONIN IN VITRO. Rath R, Kujalova V *Eur Orthod Soc Rep Congr* 63: 254-8, May 74 (Eng)

ADIPOSE CELL

MARROW ADIPOSE CELLS. ULTRASTRUCTURAL AND HISTOCHEMICAL CHARACTERIZATION. Tavassoli M *Arch Pathol* 98: 189-92, Sep 74 (Eng)

ADIPOSE TISSUE

ADIPOSE TISSUE AND HEMORRHAGIC SHOCK. Rosell S, Sandor P, Kovach AG *Adv Exp Med Biol* 33: 323-36, 1972 (Eng)

LIPOLYSIS RELATION OF THE ADIPOSE TISSUE MASS IN OBESE INDIVIDUALS. ITS MODIFICATION BY EPINEPHRINE. Portugal-Alvarez J, Perezagua-Clamagirand C, Velasco-Martin A *Pol J Pharmacol Pharm* 26: 325-8, May-Jun 74 (Eng)

EFFECTS OF FRUCTOSE, SUCROSE AND GLUCOSE FEEDING ON PLASMA INSULIN CONCENTRATIONS AND ON ADIPOSE-TISSUE CLEARING-FACTOR LIPASE ACTIVITY IN THE RAT. Cryer A, Riley SE, Williams ER, Robinson DS *Biochem J* 140: 561-63, Jun 74 (Eng)

ADIPOSE TISSUE METABOLISM

EDITORIAL: NEW CONCEPTS IN ADIPOSE TISSUE METABOLISM AND OBESITY. Turtle JR *Drugs* 7: 321-2, 1974 (Eng)

INFLUENCE OF ENDOTOXIN ON ADIPOSE TISSUE METABOLISM. Spitzer JA, Kovach AG, Rosell S, Sandor P, Spitzer JJ, Storck R *Adv Exp Med Biol* 33: 337-44, 1972 (Eng)

ADIPOSE TISSUE, RAT

EFFECTS OF HORMONES ON CYCLIC AMP RELEASE FROM RAT ADIPOSE TISSUE IN VITRO. Zumstein P, Zapf J, Froesch ER *FEBS Lett* 49: 65-9, 1 Dec 74 (Eng)

ADIPOSIITY

EFFECTS OF STREPTOZOTOCIN ON GLUCOSE METABOLISM, INSULIN RESPONSE, AND ADIPOSIITY IN OB/OB MICE. Batchelor BR, Stern JS, Johnson PR, Mahler RJ *Metabolism* 24: 77-91, Jan 75 (Eng)

ADOLESCENT

SERUM CHOLESTEROL AND SERUM TRIGLYCERIDE LEVELS IN AUSTRALIAN ADOLESCENT MALES. Hickie JB, Sutton J, Russo P, Ruys J, Kraegen EW *Med J Aust* 1: 825-8, 25 May 74 (Eng)

[ANTIBODIES AGAINST THERAPEUTIC ANIMAL INSULINS AND HOMOLOGOUS PROTEINS IN THE COURSE OF DIABETES IN CHILDREN AND ADOLESCENTS] Karczewska K *Med Dosw Mikrobiol* 26: 317-24, 1974 (Pol)

[INSULIN ANTIBODIES AND THE ACTUAL INSULIN REQUIREMENTS IN CHILDREN AND ADOLESCENTS WITH PRIMARY DIABETES] Karczewska K, Felus E, Panek G, Otto-Buczowska E, Dudziak Z *Med Dosw Mikrobiol* 26: 325-30, 1974 (Pol)

[EFFECT OF HEREDITARY FACTORS ON CERTAIN INDICATORS OF METABOLISM IN CHILDREN AND ADOLESCENTS WITH OBESITY] Dudenko NV, Anishchuk VP, Savchenko DD *Pediatrria* 34-7, Dec 74 (Rus)

[SOMATOTROPIN AND NONESTERIFIED FATTY ACID CONTENT DURING THE STANDARD GLUCOSE TOLERANCE TEST IN CHILDREN AND ADOLESCENTS FROM FAMILIES WITH THE HISTORY OF DIABETES MELLITUS] Stulii LA, Balabolkin MI, Rozhnov AA, Kasatkin IN, Smirnova LK *Probl Endokrinol (Mosk)* 20: 3-7, Sep-Oct 74 (Rus)

[BLOOD CONTENT OF IMMUNOREACTIVE INSULIN IN CHILDREN AND ADOLESCENTS WITH OBESITY] Livergant IuE, Dudenko NV, Krupchitskaia KI *Vopr Okhr Materin Det* 19: 51-4, Oct 74 (Rus)

PHYSICAL DEVELOPMENT AND PERFORMANCE CAPACITY IN A GROUP OF DIABETIC CHILDREN AND ADOLESCENTS. Hebbelinc M, Loeb H, Meersseman H *Acta Paediatr Belg* 28 suppl: 151-61, 1974 (Eng)

DIABETIC RETINOPATHY IN AN ADOLESCENT WITH PRADER-LABHART-WILLI SYNDROME. Savir A, Dickerman Z, Karp M, Laron Z *Arch Dis Child* 49: 963-4, Dec 74 (Eng)

ADRENAL CORTEX

[RHYTHMICAL ACTIVITY OF THE ADRENAL CORTEX IN VARIOUS STATES OF THE AUTONOMIC NERVOUS SYSTEM] Belova TA, Khamidov GD *Probl Endokrinol (Mosk)* 20: 49-53, Jan-Feb 74 (Rus)

ADRENAL, DOG

COMPARISON OF PHARMACOLOGICAL RESPONSES TO NICOTINE AND RELEASE OF CATECHOLAMINES FROM THE ADRENALS IN DOGS AND MONKEYS. Tsujimoto A, Nishikawa T, Doi T, Kojima S *Eur J Pharmacol* 26: 236-42, May 74 (Eng)

ADRENAL GLAND

[EFFECT OF HYDROCORTISONE, THYROXINE AND ALLOXAN DIABETES ON THE INCORPORATION OF THE LABELLED ACETATE-1-C14 INTO THE LIPIDS OF THE ADRENAL GLANDS AND TESTIS IN RATS] Kheidemanis KK, Petushkova TN *Probl Endokrinol (Mosk)* 20: 100-4, Sep-Oct 74 (Rus)

ADRENAL MEDULLA

MECHANISMS OF HYPERGLYCEMIC RESPONSE TO CHLORPROMAZINE ADMINISTERED INTO LATERAL VENTRICLE IN RATS. II. SECRETION OF EPINEPHRINE FROM ADRENAL MEDULLA. Fujimori K, Iwamoto T *Neuropharmacology* 13: 255-60, Apr 74 (Eng)

MEMBRANE PROTEINS OF CATECHOLAMINE-STORING VESICLES IN ADRENAL MEDULLA AND SYMPATHETIC NERVES. Winkler H, Hortnagl H, Asamer H, Plattner H *Adv Exp Med Biol* 32: 69-81, 1972 (Eng)

ADRENAL, MONKEY

COMPARISON OF PHARMACOLOGICAL RESPONSES TO NICOTINE AND RELEASE OF CATECHOLAMINES FROM THE ADRENALS IN DOGS AND MONKEYS. Tadjimoto A, Nishikawa T, Doi T, Kojima S *Eur J Pharmacol* 26: 236-42, May 74 (Eng)

ADRENAL, RAT

ADRENAL MEDULLARY STORAGE VESICLES OF THE SPONTANEOUSLY HYPERTENSIVE RAT. Slotkin TA, Green HO *Biochem Pharmacol* 24: 173-80, 15 Jan 75 (Eng)

ADRENAL RESERVE

[ADRENAL RESERVE IN DIABETES INSIPIDUS TREATED WITH CHLORPROPAMIDE] Mazanek E, Zalewski J, Kowalski S, Panek E, Starzewska H *Endokrynol Pol* 26: 17-20, Jan-Feb 75 (Pol)

ADRENAL SYSTEM

ANTERIOR HYPOPHYSIAL FUNCTION IN THE POSTERIOR-HYPOPHYSIOTOMIZED RAT: NORMAL REGULATION OF THE ADRENAL SYSTEM. Miller RE, Yueh-Chien H, Wiley MK, Hewitt R *Neuroendocrinology* 14: 233-50, 74 (Eng)

[CAUSES AND EFFECTS OF HYPERACTIVITY OF THE SYMPATHICO-ADRENAL SYSTEM IN ACUTE MYOCARDIAL INFARCT] Oganov RG, Vinogradova IV, Aleksandrov AA *Kardiologia* 14: 140-50, Oct 74 (Rus) [146]

ADRENOCORTICOTROPIC HORMONE

LIPOTROPIC AND ADRENOCORTICOTROPIC HORMONES. BIOLOGICAL ACTIVITIES OF THE CARBOXYL-MODIFIED HORMONES. Gilardeau C, Chretien M, Lis M *Can J Physiol Pharmacol* 52: 723-6, Jun 74 (Eng)

ADULT

EDITORIAL: JEJUNAL ABSORPTION OF HEXOSE IN INFANTS AND ADULTS. Younoszai MK *J Pediatr* 85: 446-8, Sep 74 (Eng)

[TREATMENT OF HYPOGLYCEMIA IN THE ADULT] Wolf LM *Cah Med* 15: 589-93, Sep 74 (Fre)

ADULT ONSET

EQUAL INCIDENCE OF ADULT-ONSET DIABETES AMONG ANCESTORS OF JUVENILE DIABETICS AND NONDIABETICS. MacDonald MJ *Diabetologia* 10: 767-73, Dec 74 (Eng)

ADULT RAT

EFFECTS OF INSULIN, TRIIODOTHYRONINE AND CORTICOSTERONE ON ORGAN CUL-

TURES OF THE ADULT RAT CEREBELLUM. Kiernan JA *Acta Neuropathol (Berl)* 30: 25-31, 1974 (Eng)

AEROBIC

[ASPECTS OF AEROBIC RESPIRATION IN THE HEART AND AORTIC WALL IN THE EXPERIMENTAL RABBIT ATHEROSCLEROSIS (AUTHORS TRANSL.)] Pinto G, Erlon L, Rodrigues A, Nery JW, Machado AE *Rev Bras Pesqui Med Biol* 7: 133-8, Mar-Apr 74 (Por)

AESTHESIOMETER, CORNEAL

DIABETES SCREENING WITH CORNEAL AESTHESIOMETER. Daubs JG *Am J Optom Physiol Opt* 52: 31-5, Jan 75 (Eng)

AGE

[BLOOD SERUM EXAMINATION IN MOTHERLESS PIGLETS FROM BIRTH TO THE AGE OF SIX WEEKS (KEPT IN CAGES TILL 30 DAYS OLD). I. GOT, GLUCOSE, HEMATOLOGIC STATUS] Marx D, Loeffler K, Thran V *Berl Munch Tierarztl Wochenschr* 87: 290-5, 1 Aug 74 (Ger)

[CHRONIC MYELOID LEUKEMIA IN A 35 YEAR OLD PETROLEUM CHEMIST. HANDLING BENZENE SINCE THE AGE OF 16 YEARS] Liaudet J, Combaz M *Eur J Toxicol* 6: 309-13, Nov-Dec 73 (Fre)

UTILIZATION AND TURNOVER RATE OF FRUCTOSE DURING CONTINUOUS INTRAVENOUS INFUSION IN PRE-TERM AND TERM NEWBORNS IN DEPENDENCE ON AGE. Beyreiss K, Rautenbach M *Biol Neonate* 24: 330-43, 1974 (Eng)

[AGE CHARACTERISTICS OF LIPID METABOLISM IN HEALTHY PERSONS AND ARTERIOSCLEROTIC PATIENTS] Korneenkova AA, Romanova EV, Sartaeov EB, Konina MN *Kardiologia* 14: 122-4, May 74 (Rus)

ALBUMIN

DISPLACEMENT INTO INCUBATION MEDIUM BY ALBUMIN OF HIGHLY UNSATURATED RETINA FREE FATTY ACIDS ARISING FROM MEMBRANE LIPIDS. Avelldano MI, Bazan NG *FEBS Lett* 40: 53-6, 15 Mar 74 (Eng)

ALCOHOL

ALCOHOL AND NERVOUS SYSTEM WITH SPECIAL REFERENCE TO THE ENOLIC NEUROPATHIES. Brage D, Garibaldi MD, Intaglietta J, Buenaventura I, Famulari A *Int J Neurol* 9: 173-85, 1974 (Eng)

CURRENT CONCEPTS RELATING TO METABOLIC CHANGES AFTER PORTACAVAL SHUNTS, AND ALCOHOL AND THE PANCREAS. (2). ALCOHOL AND THE PANCREAS. Wheatley IC, Waterworth MW, Barbezat GO, Bank S, Marks S, Hickman R, Terblanche JS *Afr J Surg* 12: 202-4, Dec 74 (Eng)

ALCOHOLIC

MYELINATED FIBRES IN HUMAN PARAVERTEBRAL SYMPATHETIC CHAIN: WHITE RAMI COMMUNICANTES IN ALCOHOLIC AND DIABETIC PATIENTS. Appenzeller O, Ogin G *J Neurol Neurosurg Psychiatry* 37: 1155-61, Oct 74 (Eng)

ALDOSTERONE EXCRETION

[ALDOSTERONE EXCRETION IN PATIENTS WITH DIABETES MELLITUS DEPENDING ON THE DEGREE OF DECOMPENSATION] Khasanov EN *Probl Endokrinol (Mosk)* 20: 7-10, Sep-Oct 74 (Rus)

ALKALINE

[STUDIES ON TRANSFORMATIONS OF CARBOHYDRATES. II. EPIMERIZATION AND DEGRADATION OF GLUCOSE IN DILUTED STRONG ALKALINE SOLUTION. (1) (AUTHORS TRANSL.)] Koizumi K, Hashimoto K, Mitarai M, Sawada C *J Pharm Soc Jap* 94: 232-7, Feb 74 (Jap)

ALKALINE PHOSPHATASE

INTESTINAL ALKALINE PHOSPHATASE. PHYSICAL PROPERTIES AND QUATERNARY STRUCTURE. Fosset M, Chappellet-Tordo D, Lazdunski M *Biochemistry* 13: 1783-8, 23 Apr 74 (Eng)

ALLOSTERIC EFFECT

THEORY OF RADIOIMMUNOASSAYS AND HORMONE-RECEPTOR INTERACTIONS. II. SIMULATION OF ANTIBODY DIVALENCY, COOPERATIVITY AND ALLOSTERIC EFFECTS. Rodbard D, Bertino RE *Adv Exp Med Biol* 36: 327-41, 1973 (Eng)

ALLOXAN DIABETES

[EFFECT OF HYDROCORTISONE, THYROXINE AND ALLOXAN DIABETES ON THE INCORPORATION OF THE LABELLED ACETATE-1-C14 INTO THE LIPIDS OF THE ADRENAL GLANDS AND TESTIS IN RATS] Kheideamanis KK, Petushkova TN *Probl Endokrinol (Mosk)* 20: 100-4, Sep-Oct 74 (Rus)

ALLOXAN DIABETIC RAT

FUNCTION OF THE ONSET OF ILLNESS IN THE PREFERENCE CHANGES OF ALLOXAN-DIABETIC RATS. Brookshire KH *J Comp Physiol Psychol* 87: 1069-72, Dec 74 (Eng)

ALLOXAN, LOW DOSE EFFECT

EFFECT OF A LOW DOSE OF ALLOXAN ON BLOOD GLUCOSE, ISLET BETA CELL GRANULATION, BODY WEIGHT, AND INSULIN RESISTANCE OF OB/OB MICE. Solomon J, Bulkley RJ, Mayer J *Diabetologia* 10: 709-15, Dec 74 (Eng)

ALLOXAN MONOHYDRATE

CHANGES IN THE RATS PREFERENCE FOR SACCHARIN AND SODIUM CHLORIDE SOLUTIONS FOLLOWING INJECTION OF ALLOXAN MONOHYDRATE. Brookshire KH *J Comp Physiol Psychol* 87: 1061-8, Dec 74 (Eng)

ALPHA ADRENERGIC ACTIVATION

CENTRAL HYPOTHERMIA BY 2-DEOXY-D-GLUCOSE: ANTAGONISM BY ALPHA-ADRENERGIC ACTIVATION. Muller EE, Cocchi D, Jallano H, Udeschini G, Peruzzi G, Mantegazza P *Eur J Pharmacol* 26: 243-55, May 74 (Eng)

I-ALPHA ANTITRYPSIN

ALPHA I-ANTITRYPSIN IN AMNIOTIC FLUID. Guibaud S, Bonnet M, Thoulon JM, Dumont M *Obstet Gynecol* 45: 34-8, Jan 75 (Eng)

ALPHA CELL

IMMUNOHISTOCHEMICAL EVIDENCE FOR THE LOCALIZATION OF SOMATOSTATIN-LIKE IMMUNOREACTIVITY IN A CELL POPULATION OF THE PANCREATIC ISLETS. Luft R, Efendic S, Hokfelt T, Johansson O, Arimura A *Med Biol* 52: 428-30, Dec 74 (Eng)

Diabetes Literature—Keyword Index

ALPHA CELL FUNCTION, PANCREATIC

ALPHA CELL FUNCTION, PANCREATIC

PANCREATIC ALPHA CELL FUNCTION IN RELATION TO CHOLESTEROL METABOLISM IN BANDICOTA BENGALENSIS. Suryawanshi SA, Sontakke KK, Kumar VR *Endokrynol Pol* 26: 21-3, Jan-Feb 75 (Eng)

ALVEOLAR MACROPHAGE

GLUCOSE OXIDATION IN ALVEOLAR MACROPHAGES: PHARMACOLOGIC FEATURES. Gee JB, Khandwala AS, McKeever PE, Malawista SE *J Reticuloendothel Soc* 15: 387-93, May 74 (Eng)

AMERICAN INDIAN

HEALTH CARE PROBLEMS OF THE AMERICAN INDIANS. Rabeau ES, Erickson CJ *ISA Trans* 13: 319-25, 1974 (Eng)

AMINE

[NEW COMPOUNDS AND REACTIONS OF SULFONAMIDES WITH AMINES. XIV. HYPOGLYCEMIC PROPERTIES OF SOME DERIVATIVES OF N-(BENZENOSULFONYL)-DELTA-2-PYRAZOLINE-1-CARBOXAMIDE] Brzozowski Z, Angielski S, Wojcikowski C *Acta Pol Pharm* 31: 601-6, 1974 (Pol)

AMINO ACID

FUNCTIONAL DIFFERENTIATION OF HUMAN JEJUNUM AND ILEUM: A COMPARISON OF THE HANDLING OF GLUCOSE, PEPTIDES, AND AMINO ACIDS. Silk DB, Webb JP, Lane AE, Clark ML, Dawson AM *Gut* 15: 444-9, Jun 74 (Eng)

INTERACTION OF AMINO ACIDS AND CYCLIC AMP ON THE RELEASE OF INSULIN AND GLUCAGON BY NEWBORN RAT PANCREAS. Jarrouste C, Rosselin G *Endocrinology* 96: 168-77, Jan 75 (Eng)

L-AMINO ACID

AMINO ACID METABOLISM IN ACUTE RENAL FAILURE: INFLUENCE OF INTRAVENOUS ESSENTIAL L-AMINO ACID HYPERALIMENTATION THERAPY. Abel RM, Shih VE, Abbott WM, Beck CH Jr, Fischer JE *Ann Surg* 180: 350-5, Sep 74 (Eng)

AMINO ACID, FREE

EFFECT OF PHOSPHOLIPASES A AND C ON FREE AMINO ACID CONTENT OF THE SQUID AXON. Rosenberg P, Khairallah EA *J Neurochem* 23: 55-64, Jul 74 (Eng)

AMINO ACID METABOLISM

AMINO ACID METABOLISM IN ACUTE RENAL FAILURE: INFLUENCE OF INTRAVENOUS ESSENTIAL L-AMINO ACID HYPERALIMENTATION THERAPY. Abel RM, Shih VE, Abbott WM, Beck CH Jr, Fischer JE *Ann Surg* 180: 350-5, Sep 74 (Eng)

AMINO ACID METABOLISM. Truffa-Bachi P, Cohen GN *Annu Rev Biochem* 42: 113-34, 1973 (Eng) [137]

PROTEIN AND AMINO ACID METABOLISM AND REQUIREMENTS IN THE NEONATAL PERIOD. Lindblad BS *Acta Anaesthesiol Scand [Suppl]* 102-6, 1974 (Eng)

AMINO ACID, NONESSENTIAL

EDITORIAL: NONESSENTIAL AMINO ACIDS. Harper AE *J Nutr* 104: 965-7, Aug 74 (Eng)

AMINO ACID TRANSPORT

COMPLEXITY IN VALINOMYCIN EFFECTS ON AMINO ACID TRANSPORT. De Cespedes C, Christensen HN *Biochim Biophys Acta* 339: 139-45, 26 Feb 74 (Eng)

MECHANISMS OF ACTIVE TRANSPORT IN ISOLATED BACTERIAL MEMBRANE VESICLES. FURTHER STUDIES ON AMINO ACID TRANSPORT IN STAPHYLOCOCCUS AUREUS MEMBRANE VESICLES. Short SA, Kaback HR *J Biol Chem* 249: 4275-81, 10 Jul 74 (Eng)

MECHANISMS OF ENERGY COUPLING TO THE TRANSPORT OF AMINO ACIDS BY STAPHYLOCOCCUS AUREUS. Niven DF, Hamilton WA *Eur J Biochem* 44: 517-22, 15 May 74 (Eng)

EFFECT OF INSULIN UPON RENAL AMINO ACID TRANSPORT IN LAMBS. Scharer E, Landes C, Scholl H *Experientia* 30: 1416-8, 15 Dec 74 (Eng)

AMINO GROUP

FLUOROMETRIC ASSAY FOR DISCRIMINATING THE STATES OF AMINO GROUPS IN INSULIN, LYSOZYME AND ASPARAGINASE WITH FLUORESCAMINE. Tamaura Y, Todokoro K, Ikebe M, Makino H, Hirose S *FEBS Lett* 50: 70-3, 15 Jan 75 (Eng)

6-AMINONICOTINAMIDE

FAILURE OF 6-AMINONICOTINAMIDE TO INHIBIT THE POTENTIATING EFFECT OF LEUCINE AND ARGININE ON GLUCOSE-INDUCED INSULIN RELEASE IN VITRO. MacDonald MJ, Ammon HP, Patel T, Steinke J *Diabetologia* 10: 761-5, Dec 74 (Eng)

AMINOPYRIMIDINE

[ISOXAZOLECARBOXAMIDOALKYL-BENZOLE-SULFONYLUREA, -SEMICARBAZIDE AND -AMINOPYRIMIDINE AS WELL AS RELATED COMPOUNDS AND THEIR BLOOD SUGAR REDUCING ACTIVITY] Plumpe H, Horstmann H, Puls W *Arzneim Forsch* 24: 363-74, Mar 74 (Ger)

AMMONIUM SULFATE

HUMAN PITUITARY GROWTH HORMONE: SOLUBILITY IN AMMONIUM SULFATE SOLUTIONS. Tarli P, Li CH *Arch Biochem Biophys* 161: 696-7, 2 Apr 74 (Eng)

AMNIOTIC FLUID

ALPHA 1-ANTITRYPSIN IN AMNIOTIC FLUID. Guibaud S, Bonnet M, Thoulon JM, Dumont M *Obstet Gynecol* 45: 34-8, Jan 75 (Eng)

AMP

SEE ADENOSINE-3,5-CYCLIC-MONOPHOSPHATE

AMPHOTERICIN B

THE EFFECTS OF THE POLYENE ANTIBIOTICS NYSTATIN AND AMPHOTERICIN B ON THIN LIPID MEMBRANES. Holz RW *Ann NY Acad Sci* 235: 469-79, 10 May 74 (Eng)

AMPHOTERICIN B-CHOLESTEROL PORE

THE STRUCTURE AND FUNCTION OF AMPHOTERICIN B-CHOLESTEROL PORES IN LIPID BILAYER MEMBRANES. Andreoli

TE *Ann NY Acad Sci* 235: 448-68, 10 May 74 (Eng)

AMYLOGLUCOSIDASE

SIGNIFICANCE OF ACID AMYLOGLUCOSIDASE IN SULPHONYLUREA-INDUCED INSULIN RELEASE. Lundquist I *Diabetologia* 10: 717-24, Dec 74 (Eng)

AMYLOID

BETA-PLEATED SHEET FIBRILS. A COMPARISON OF NATIVE AMYLOID WITH SYNTHETIC PROTEIN FIBRILS. Glenner GG, Eanes ED, Bladen HA, Linke RP, Termine JD *J Histochem Cytochem* 22: 1141-58, Dec 74 (Eng)

ANALYSIS, KINETIC

MALYL COENZYME A LYASE. MECHANISM OF ACTION AS DEDUCED BY KINETIC ANALYSIS. Hersh LB *J Biol Chem* 249: 5208-12, 25 Aug 74 (Eng)

ANCESTOR

EQUAL INCIDENCE OF ADULT-ONSET DIABETES AMONG ANCESTORS OF JUVENILE DIABETICS AND NONDIABETICS. Mac Donald MJ *Diabetologia* 10: 767-73, Dec 74 (Eng)

ANESTHESIA

INFLUENCE OF ETHER ANAESTHESIA ON SUXAMETHONIUM-INDUCED HYPERKALAEMIA. Maghbagheola JA, Adadevoh BK, Durowoju JE *Anaesthesia* 29: 429-34, Jul 74 (Eng)

ANGIOTENSIN

THE ABILITY OF VARIOUS INSULINS AND INSULIN FRAGMENTS TO INHIBIT THE ANGIOTENSIN I CONVERTING ENZYME. Bing J, Poulsen K, Markussen J *Acta Pathol Microbiol Scand [A]* 82: 777-82, Nov 74 (Eng)

8-ANILINO-1-NAPHTHALENE SULFONATE

THE INFLUENCE OF LIGANDS ON THE FLUORESCENCE OF THE COMPLEX BETWEEN 8-ANILINO-1-NAPHTHALENE SULFONATE AND PYRUVATE KINASE OF NEUROSPORA. Kapoor M *Can J Biochem* 52: 599-609, Jul 74 (Eng)

ANOMERIC SPECIFICITY

ANOMERIC SPECIFICITY OF ENZYMES OF D-GLUCOSE METABOLISM. Wurster B, Hess B *FEBS Lett* 40: suppl 0112-8, 23 Mar 74 (Eng) [69]

ANOXIA

MECHANISMS OF HYPOTHERMIC PROTECTION AGAINST ANOXIA. Miller JA Jr, Miller FS *Adv Exp Med Biol* 33: 571-86, 1972 (Eng)

ANTERIOR HYPOPHYSIAL FUNCTION

ANTERIOR HYPOPHYSIAL FUNCTION IN THE POSTERIOR-HYPOPHYSIECTOMIZED RAT: NORMAL REGULATION OF THE ADRENAL SYSTEM. Miller RE, Yuch-Chien H, Wiley MK, Hewitt R *Neuroendocrinology* 14: 233-50, 74 (Eng)

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ANTERIOR PITUITARY GLAND

[PROCEEDINGS: DYNAMICS OF GROWTH HORMONE SECRETION IN ACROMEGALY AND NORMAL ANTERIOR PITUITARY GLAND FUNCTION] Huff H, Werder K von *Munch Med Wochenschr* 116: 1107, 31 May 74 (Ger)

ANTERIOR PITUITARY SOMATOTROPH

ULTRASTRUCTURAL OBSERVATIONS OF ANTERIOR PITUITARY SOMATOTROPHS FOLLOWING PITUITARY PORTAL VESSEL INFUSION OF DIBUTYRYL CAMP. Wilbur DL, Worthington WC Jr, Markwald RR *Am J Anat* 141: 139-45, Sep 74 (Eng)

ANTHROPOMETRIC EVALUATION

[TOTAL BODY FAT. ANTHROPOMETRIC EVALUATION (AUTHORS TRANSL)] Arroyo P, Coronado M, Quiroz SE *Rev Invest Clin* 26: 103-10, Apr-Jun 74 (Spa)

ANTIBIOTIC

BASIS FOR THE SELECTIVITY OF ACTION OF THE POLYMYXIN ANTIBIOTICS ON CELL MEMBRANES. Feingold DS, HsuChen CC, Sud JJ *Ann NY Acad Sci* 235: 480-92, 10 May 74 (Eng)

EM49: A NEW POLYPEPTIDE ANTIBIOTIC ACTIVE AGAINST CELL MEMBRANES. Meyers E, Parker WL, Brown WE, Linnett P, Strominger JL *Ann NY Acad Sci* 235: 493-501, 10 May 74 (Eng)

ANTIBIOTIC ACTION

MEMBRANE TRANSPORT AS A POTENTIAL TARGET FOR ANTIBIOTIC ACTION. Walsh CT, Kaback HR *Ann NY Acad Sci* 235: 519-41, 10 May 74 (Eng) [55]

THE ACTION OF ANTIBIOTICS ON ENZYME SECRETION IN YEASTS: STUDIES WITH CYTOCHALASIN A. Kuo SC, Lampen JO *Ann NY Acad Sci* 235: 137-48, 10 May 74 (Eng)

ANTIBODY

[ANTIBODIES AGAINST THERAPEUTIC ANIMAL INSULINS AND HOMOLOGOUS PROTEINS IN THE COURSE OF DIABETES IN CHILDREN AND ADOLESCENTS] Karczewska K *Med Dosw Mikrobiol* 26: 317-24, 1974 (Pol)

ANTIBODIES TO PANCREATIC ISLET CELLS IN INSULIN-DEPENDENT DIABETICS WITH COEXISTENT AUTOIMMUNE DISEASE. MacCush AC, Irvine WJ, Barnes EW, Duncan LJ *Lancet* 2: 1529-31, 28 Dec 74 (Eng)

[COMPARATIVE STUDY OF 2 METHODS OF PLASMA INSULIN RADIOIMMUNOASSAY. DOUBLE ANTIBODY AND SOLID PHASE METHODS] Orsetti A, Collard F *Pathol Biol (Paris)* 22: 771-3, Nov 74 (Fre)

ANTIBODY DIVALENCY

THEORY OF RADIOIMMUNOASSAYS AND HORMONE-RECEPTOR INTERACTIONS. II. SIMULATION OF ANTIBODY DIVALENCY, COOPERATIVITY AND ALLOSTERIC EFFECTS. Rodbard D, Bertino RE *Adv Exp Med Biol* 36: 327-41, 1973 (Eng)

ANTICOAGULANT

A COMPARISON OF ANTICOAGULANTS FOR THE ANALYSIS OF GLUCOSE CONCENTRATION AND FOR HAEMATOLOGICAL MEASUREMENTS IN BOVINE BLOOD. Manston R, Whitlock RH, Young ER *J Comp Pathol* 84: 59-65, Jan 74 (Eng)

SUREMENTS IN BOVINE BLOOD. Manston R, Whitlock RH, Young ER *J Comp Pathol* 84: 59-65, Jan 74 (Eng)

ANTIDIABETIC EFFECT

[ACUTE DIABETIC SYNDROME INDUCED IN RATS BY ANTI-INSULIN SERUM AS AN EXPERIMENTAL MODEL FOR THE STUDY OF SOME ANTIDIABETIC EFFECTS] Andreev D, Strashimirov S, Ditsov GD *Eksp Med Morfol* 13: 95-101, 1974 (Bul)

ANTIFUNGAL ACTIVITY

THE ANTIFUNGAL ACTIVITY OF NORMAL AND HOST-COMPROMISED SALIVA ON SPACEFLIGHT FUNGAL PHENOTYPES. Dublin M, Volz PA, Bulmer GS *Mycopathol Mycol Appl* 54: 499-516, 18 Dec 74 (Eng)

ANTI-INSULIN SERUM

[ACUTE DIABETIC SYNDROME INDUCED IN RATS BY ANTI-INSULIN SERUM AS AN EXPERIMENTAL MODEL FOR THE STUDY OF SOME ANTIDIABETIC EFFECTS] Andreev D, Strashimirov S, Ditsov GD *Eksp Med Morfol* 13: 95-101, 1974 (Bul)

ENZYMES OF CARBOHYDRATE AND FAT METABOLISM IN ANTI-INSULIN SERUM DIABETES: INACTIVATION BY FREE FATTY ACIDS AND THE PROTECTIVE EFFECT OF CELLULAR PROTEIN. Shafrir E, Ruderman NB *Diabetologia* 10: 731-42, Dec 74 (Eng)

ANTINEOPLASTIC AGENT

MODIFICATION OF SOME OF THE TOXIC EFFECTS OF DAUNOMYCIN (NSC-82,151) BY PRETREATMENT WITH THE ANTINEOPLASTIC AGENT ICRF 159 (NSC-129,943). Herman EH, Mhatre RM, Chadwick DP *Toxicol Appl Pharmacol* 27: 517-26, Mar 74 (Eng)

AORTA

[LACTATE DEHYDROGENASE ISOENZYMES IN THE WALL OF THE RATS AORTA IN EXPERIMENTAL STREPTOZOTOCIN DIABETES] Wohlrab F, Gotze J *Dtsch Z Verdau Stoffwechselk* 34: 53-8, 1974 (Ger)

AORTIC VELOCITY AND ACCELERATION MEASUREMENTS IN THE ASSESSMENT OF CORONARY HEART DISEASE. Jewitt D, Gabe I, Mills C, Maurer B, Thomas M, Shillingford J *Eur J Cardiol* 1: 299-305, Mar 74 (Eng)

AORTIC WALL

[ASPECTS OF AEROBIC RESPIRATION IN THE HEART AND AORTIC WALL IN THE EXPERIMENTAL RABBIT ATHEROSCLEROSIS (AUTHORS TRANSL)] Pinto G, Erlon L, Rodrigues A, Nery JW, Machado AE *Rev Bras Pesqui Med Biol* 7: 133-8, Mar-Apr 74 (Por)

[THICKENING OF THE AORTIC WALL IN EXPERIMENTAL CHOLESTEROL ARTERIOSCLEROSIS] Lusztig G, Mak L *Z Gesamte Inn Med* 29: 443-6, 1 Jun 74 (Ger)

APHAKIC MACULAR EDEMA

APHAKIC MACULAR EDEMA: INCIDENCE AND PATHOGENESIS. Hitchings RA, Chisholm IH, Bird AC *Invest Ophthalmol* 14: 68-72, Jan 75 (Eng)

APOPLEXY, PITUITARY

PITUITARY APOPLEXY IN ACROMEGALY FOLLOWED BY PARTIAL PITUITARY INSUFFICIENCY. Jacobi JD, Fishman LM, Daroff RB *Arch Intern Med* 134: 559-61, Sep 74 (Eng)

APOPROTEIN VISUALIZATION

RECOMBINATION OF HUMAN ERYTHROCYTE APOPROTEIN AND LIPID. II. VISUALIZATION OF APOPROTEIN-LIPID BILAYER COMPLEX BY FREEZE-ETCHING. Wehrli E, Morse PD *J Supramol Struct* 2: 71-8, 1974 (Eng)

AQUEOUS HUMOR

SOME CHEMICAL PARAMETERS OF SERUM, CEREBROSPINAL FLUID, PERILYMPH, AND AQUEOUS HUMOR OF THE CHINCHILLA. Juhn SK, Haugen J, Steven L *Lab Anim Sci* 24: 691-5, Aug 74 (Eng)

L-ARGININE

[TESTS OF SOMATOTROPIN RESERVE IN OBESITY: RESPONSE OF GH TO STIMULATION WITH L-DOPA AND L-ARGININE] Dalesandro B, Bellastella A, Esposito V, Gasbarro R *Fundam Clin Endocrinol (Roma)* 27: 381-9, Aug 74 (Ita)

ARGININE EFFECT

FAILURE OF 6-AMINONICOTINAMIDE TO INHIBIT THE POTENTIATING EFFECT OF LEUCINE AND ARGinine ON GLUCOSE-INDUCED INSULIN RELEASE IN VITRO. MacDonald MJ, Ammon HP, Patel T, Steinke J *Diabetologia* 10: 761-5, Dec 74 (Eng)

ARTERIOSCLEROSIS

[THICKENING OF THE AORTIC WALL IN EXPERIMENTAL CHOLESTEROL ARTERIOSCLEROSIS] Lusztig G, Mak L *Z Gesamte Inn Med* 29: 443-6, 1 Jun 74 (Ger)

ARTERIOSCLEROTIC CHANGES WITHIN THE DIABETIC ORAL VASCULATURE. Keene JJ *Jr J Dent Res* 54: 77-82, Jan-Feb 75 (Eng)

ARTERIOSCLEROTIC PATIENT

[AGE CHARACTERISTICS OF LIPID METABOLISM IN HEALTHY PERSONS AND ARTERIOSCLEROTIC PATIENTS] Korneenkova AA, Romanova EV, Sartsev EB, Konina MN *Kardiologia* 14: 122-4, May 74 (Rus)

ARTERY, CATTLE

[BIOCHEMICAL DIFFERENCES BETWEEN AN ELASTIC ARTERY AND A MUSCULAR ARTERY IN CATTLE] Laszlo M, Cappelli-Gotzios B, Conti G *Biochimie* 56: 459-64, 1974 (Fre)

ARTERY, ELASTIC

[BIOCHEMICAL DIFFERENCES BETWEEN AN ELASTIC ARTERY AND A MUSCULAR ARTERY IN CATTLE] Laszlo M, Cappelli-Gotzios B, Conti G *Biochimie* 56: 459-64, 1974 (Fre)

ARTERY, MUSCULAR

[BIOCHEMICAL DIFFERENCES BETWEEN AN ELASTIC ARTERY AND A MUSCULAR ARTERY IN CATTLE] Laszlo M, Cappelli-Gotzios B, Conti G *Biochimie* 56: 459-64, 1974 (Fre)

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ARTHRITIS, RHEUMATOID

ARTHRITIS, RHEUMATOID

[EXSUDATIVE PLEURISY IN RHEUMATOID ARTHRITIS] Hajzok O, Hajzokova M, Zitan D, Rovensky J *Z Rheumatol* 33: 198-205, May-Jun 74 (Ger)

ASPARAGINASE

FLUOROMETRIC ASSAY FOR DISCRIMINATING THE STATES OF AMINO GROUPS IN INSULIN, LYSOZYME AND ASPARAGINASE WITH FLUORESCAMINE. Tamaura Y, Todokoro K, Ikebe M, Makino H, Hirose S *FEBS Lett* 50: 70-3, 15 Jan 75 (Eng)

ASPARTATE TRANSPORT

EVIDENCE FOR ELECTROGENIC ASPARTATE TRANSPORT IN RAT LIVER MITOCHONDRIA. LaNoue KF, Meijer AJ, Brouwer A *Arch Biochem Biophys* 161: 544-50, 2 Apr 74 (Eng)

ASPERGILLUS NIDULANS

THE ROLE OF MALIC ENZYME IN ASPERGILLUS NIDULANS. McCullough W, Roberts CF *FEBS Lett* 41: 238-42, 1 May 74 (Eng)

ATHEROSCLEROSIS

[ASPECTS OF AEROBIC RESPIRATION IN THE HEART AND AORTIC WALL IN THE EXPERIMENTAL RABBIT ATHEROSCLEROSIS (AUTHORS TRANSL)] Pinto G, Erlon L, Rodrigues A, Nery JW, Machado AE *Rev Bras Pesqui Med Biol* 7: 133-8, Mar-Apr 74 (Por)

[PROCEEDINGS: INCORPORATION OF 1-14C-OLEIC ACID IN SUBCELLULAR FRACTIONS OR NORMAL AND ATHEROSCLEROTIC HUMAN FEMORAL ARTERIES IN VITRO] Horsch AK, Day AJ *Munch Med Wochenschr* 116: 1111-2, 31 May 74 (Ger)

DIET AND ATHEROSCLEROSIS. Grande F S *Afr Med J* 148: 1660-8, 14 Aug 74 (Eng) [62]

AUSTRALIA ANTIGEN

[AUSTRALIA ANTIGEN (HBAG) IN MEDICAL PERSONEL AND DIABETIC PATIENTS (AUTHORS TRANSL)] Meluzin F, Kubecova F, Spicka J, Slavik V *Cas Lek Cesk* 113: 1387-9, 7 Nov 74 (Cze)

AUSTRALIAN

SERUM CHOLESTEROL AND SERUM TRIGLYCERIDE LEVELS IN AUSTRALIAN ADOLESCENT MALES. Hickie JB, Sutton J, Russo P, Ruys J, Kraegen EW *Med J Aust* 1: 825-8, 25 May 74 (Eng)

AUTOIMMUNE

EDITORIAL: AUTOIMMUNE DIABETES MELITUS. Anonymous *Lancet* 2: 1549-51, 28 Dec 74 (Eng)

AUTOIMMUNE DISEASE

ANTIBODIES TO PANCREATIC ISLET CELLS IN INSULIN-DEPENDENT DIABETICS WITH COEXISTENT AUTOIMMUNE DISEASE. MacCuish AC, Irvine WJ, Burnes EW, Duncan LJ *Lancet* 2: 1529-31, 28 Dec 74 (Eng)

AUTOINTOXICATION

[HYPERACTIVITY OF THE BETA-RECEPTER IN CHILDREN—WITH SPECIAL REFERENCE TO PERIODIC VOMITING (SO-CALLED AUTOINTOXICATION) AND ORTHOSTATIC DYSREGULATION] Furusho K, Muraishi K,

Sato K, Noda C *Jpn J Clin Med* 32: 2907-18, Sep 74 (Jpn)

AXON, SQUID

EFFECT OF PHOSPHOLIPASES A AND C ON FREE AMINO ACID CONTENT OF THE SQUID AXON. Rosenberg P, Khairallah EA *J Neurochem* 23: 55-64, Jul 74 (Eng)

AZOTEMIA

[DISORDERS OF CARBOHYDRATE TOLERANCE IN PATIENTS WITH CHRONIC AZOTEMIA] Kovac T, Lepsanovic L, Tepavcovic P *Med Arh* 28: 399-404, Jul-Aug 74 (Ser)

BABOON

INFANTILE OBESITY AND LATER WEIGHT CONTROL IN THE BABOON. Bruch H, Voss WR *Nature* 250: 268-9, 19 Jul 74 (Eng)

BACILLUS LICHENFORMIS

CYCLIC GUANOSINE 3:5-MONOPHOSPHATE IN ESCHERICHIA COLI AND BACILLUS LICHENFORMIS. Bernlohr RW, Haddox MK, Goldberg ND *J Biol Chem* 249: 4329-31, 10 Jul 74 (Eng)

BACILLUS STEAROTHERMOPHILUS

PROCEEDINGS: REGULATION OF GLUCONEOGENESIS IN BACILLUS STEAROTHERMOPHILUS. Amils R, Cannata JJ *Acta Physiol Lat Am* 23: 569-71, 1973 (Eng)

BACTERIA, PHOTOTROPHIC

DIFFERENT PATHWAYS FOR FRUCTOSE AND GLUCOSE UTILIZATION IN RHODOSPIRILLUM RUBRUM. CAPSULATA AND DEMONSTRATION OF 1-PHOSPHOFRUCTOKINASE IN PHOTOTROPHIC BACTERIA. Conrad R, Schlegel HG *Biochim Biophys Acta* 358: 221-5, 17 Jul 74 (Eng)

BACTERICIDAL ACTIVITY

[CHANGES INDUCED BY THEOPHYLLINE IN VITRO ON THE GLYCOGEN CONTENT, CARBOHYDRATE METABOLISM AND FINALLY ON THE PHAGOCYTIC AND BACTERICIDAL ACTIVITY OF POLYNUCLEAR LEUKOCYTES] Henon M, Launay A, Delaunay A *C R Acad Sci [D] (Paris)* 278: 521-4, 21 Jan 74 (Fre)

BANDICOTA BENGALENSIS

PANCREATIC ALPHA CELL FUNCTION IN RELATION TO CHOLESTEROL METABOLISM IN BANDICOTA BENGALENSIS. Suryawanshi SA, Sontakke KK, Kumar VR *Endokrynol Pol* 26: 21-3, Jan-Feb 75 (Eng)

BASAL LAMINA SCAFFOLD

BASAL LAMINA SCAFFOLD-ANATOMY AND SIGNIFICANCE FOR MAINTENANCE OF ORDERLY TISSUE STRUCTURE. Vracko R *Am J Pathol* 77: 314-46, Nov 74 (Eng) [66]

BASAL METABOLIC RATE

BASAL METABOLIC RATE AND LIPID AND LIVER GLYCOGEN IN MICE INFECTED BY THE NEMATODE NEMATOSPIROIDES DUBIUS. Symons LE, Jones WO *Int J Parasitol* 4: 301-5, Jun 74 (Eng)

BEDSIDE EDUCATION

[REHABILITATION NURSING OF PATIENTS WITH CHRONIC DISEASES. BESIDE EDUCATION OF PATIENTS WITH DIABETES MELITUS] Matsunaga K *Jpn J Nurs* 20: 57-66, Oct 74 (Jpn)

BEHAVIOR

[EFFECT OF LOW-CALORIE DIET ON LIPOLYTIC ENZYMES AND OTHER INDICES AND PSYCHOLOGICAL BEHAVIOR OF CHILDREN WITH ORDINARY OBESITY] Szczepski O, Walczak M, Korman E, Socha J, Waligora A, Waligora Z *Endokrynol Pol* 25: 31-42, Jan-Feb 74 (Pol)

FEEDING BEHAVIOUR IN OBESITY. Ries W *Proc Nutr Soc* 32: 187-93, Dec 73 (Eng)

MODELS OF BEHAVIOR AND THE HYPOTHALAMUS. de Ruiter L, Wiepkema PR, Veening JG *Prog Brain Res* 41: 481-507, 1974 (Eng) [69]

BELLS PALS

IDIOPATHIC FACIAL PARALYSIS (BELLS PALS): FACTORS AFFECTING SEVERITY AND OUTCOME IN 446 PATIENTS. Adour KK, Wingerd J *Neurology (Minneapolis)* 24: 1112-6, Dec 74 (Eng)

BENZENE

[CHRONIC MYELOID LEUKEMIA IN A 35 YEAR OLD PETROLEUM CHEMIST, HANDLING BENZENE SINCE THE AGE OF 18 YEARS] Liaudet J, Combaz M *Eur J Toxicol* 6: 309-13, Nov-Dec 73 (Fre)

BETA CELL FUNCTION

ENZYME-INDUCED MODIFICATIONS OF BETA CELL FUNCTION. I. EFFECT OF PRONASE ON INSULIN SECRETION. Lambert AE, Henquin JC, Orci L, Renold AE *Eur J Clin Invest* 4: 459-68, 5 Dec 74 (Eng)

BETA GRANULE

MODEL FOR EXTRUSION OF INSULIN BETA GRANULES. Lazarus NR, Davis B *Lancet* 1: 143-4, 18 Jan 75 (Eng)

BETA LIPOTROPIC HORMONE, BOVINE

[IN VITRO BIOSYNTHESIS OF BOVINE BETA-LIPOTROPIC HORMONE] Bertagna X, Lis M, Gilardeau C, Chretien M *Can J Biochem* 52: 349-58, May 74 (Fre)

BETA METHYL CROTONYL COENZYME A

DEMONSTRATION OF AN ENZYMATIC TRANSFER REACTION BETWEEN BETA-METHYL-CROTONYL-COENZYME A AND L-CARNITINE. Alkonyi I, Sandor A *Acta Biochim Biophys Acad Sci Hung* 7: 149-50, 1972 (Eng)

BETA PLEATED SHEET FIBRIL

BETA-PLEATED SHEET FIBRILS. A COMPARISON OF NATIVE AMYLOID WITH SYNTHETIC PROTEIN FIBRILS. Glenner GG, Eanes ED, Bladen HA, Linke RP, Termine JD *J Histochem Cytochem* 22: 1141-58, Dec 74 (Eng)

BETA RECEPTOR HYPERACTIVITY

[HYPERACTIVITY OF THE BETA-RECEPTER IN CHILDREN—WITH SPECIAL REFERENCE

Diabetes Literature—Keyword Index

BLOOD, VENOUS

TO PERIODIC VOMITING (SO-CALLED AUTOTOXICATION) AND ORTHOSTATIC DYSREGULATION] Furusho K, Muraishi K, Sato K, Noda C *Jpn J Clin Med* 32: 2907-18, Sep 74 (Jpn)

BETAMETHASONE EFFECT

EFFECT OF BETAMETHASONE ON THE PRODUCTION OF GLUCOSE FROM PROPIONATE BY SHEEP. Ford EJ, Winchester JG *J Endocrinol* 62: 51-7, Jul 74 (Eng)

BICYCLIC LEUCINE ANALOGUE

EFFECTS OF BICYCLIC LEUCINE ANALOGUES ON INSULIN RELEASE FROM THE PERFUSED RAT PANCREAS AND FLUORESCENCE OF REDUCED PYRIDINE NUCLEOTIDES FROM PERFUSED PANCREATIC ISLETS. Joost HG, Panten U, Ishida H, Poser W, Hasselblatt A *Life Sci* 16: 247-54, 15 Jan 75 (Eng)

BIGUANIDE

[RESEARCH ON THE IMPROVEMENT OF BIGUANIDE TOLERANCE] Puech H *Sem Hop Ther* 50: 463-6, Sep-Oct 74 (Fre)

BILAYER MEMBRANE

THE STOICHIOMETRY AND DYNAMICS OF LECITHIN-CHOLESTEROL CLUSTERS IN BILAYER MEMBRANES. Phillips MC, Finer EG *Biochim Biophys Acta* 356: 199-206, 31 Jul 74 (Eng)

BILAYER, PHOSPHOLIPID

BINDING OF A SOLUBILIZED MEMBRANE ATPASE TO PHOSPHOLIPID BILAYERS. Redwood WR, Patel BC *Biochim Biophys Acta* 363: 70-85, 21 Aug 74 (Eng)

BILE, DOG

INFLUENCE OF GLUCAGON ON CANALICULAR BILE PRODUCTION IN THE DOG. Khedisi A, Dumont M, Duval M, Erlinger S *Biomedicine [Express]* 21: 176-81, 10 Apr 74 (Eng)

BILE DUCT

GLUCAGON AND THE PANCREAS, LIVER AND BILE DUCTS. Barbezat GO *S Afr J Surg* 12: 213-7, Dec 74 (Eng) [35]

BILIRUBIN

POSTMORTEM CHEMISTRIES ON BLOOD WITH PARTICULAR REFERENCE TO UREA NITROGEN, ELECTROLYTES, AND BILIRUBIN. Coe JJ *J Forensic Sci* 19: 33-42, Jan 74 (Eng)

BINDING

BINDING OF A SOLUBILIZED MEMBRANE ATPASE TO PHOSPHOLIPID BILAYERS. Redwood WR, Patel BC *Biochim Biophys Acta* 363: 70-85, 21 Aug 74 (Eng)

BINDING OF CONCAVALIN A-SEPHAROSE TO GLYCOPROTEINS OF LIVER MICROSMAL MEMBRANES. Wingqvist L, Eriksson LC, Dallner G *FEBS Lett* 42: 27-31, 15 May 74 (Eng)

BINDING OF MNADP-TO PHOSPHOGLYCERATE KINASE. Chapman BE, OSullivan WJ, Scopes RK, Reed GH *FEBS Lett* 41: 189-91, 1 May 74 (Eng)

NUCLEAR MAGNETIC RESONANCE STUDIES ON SUBSTRATE BINDING TO PHOSPHOGLUCOMUTASE. Gadian DG, Radda GK, Richards RE *Biochim Biophys Acta* 358: 57-68, 17 Jul 74 (Eng)

BIOTIN UPTAKE

BIOTIN UPTAKE BY COLD-SHOCKED CELLS, SPHEROPLASTS, AND RERESSED CELLS OF *SACCHAROMYCES CEREVISIAE*: LACK OF FEEDBACK CONTROL. Cimanec JF, Lichstein HC *J Bacteriol* 119: 718-25, Sep 74 (Eng)

BIRTH

[BLOOD SERUM EXAMINATION IN MOTHERLESS PIGLETS FROM BIRTH TO THE AGE OF SIX WEEKS (KEPT IN CAGES TILL 30 DAYS OLD). I. GOT, GLUCOSE, HEMATOLOGIC STATUS] Marx D, Loeffler K, Thran V *Berl Munch Tierarztl Wochenschr* 87: 290-5, 1 Aug 74 (Ger)

[EFFECT OF THE CONDITIONS OF INTRAUTERINE DEVELOPMENT ON THE ESTABLISHMENT OF EXTERNAL RESPIRATION AFTER BIRTH] Poliakov GP, Finkel ML *Akush Ginekolog (Mosk)* 41-5, Mar 74 (Rus)

BIRTH CONTROL METHOD

[BIRTH CONTROL METHODS IN PSYCHIATRY] Audebert A, Emperaire JC, Cohen J, Bourgeois M *Ann Med Psychol (Paris)* 2: 92-127, Jun 74 (Fre)

BLIND

A FOLLOW-UP OF BLIND DIABETIC PATIENTS. Berkow JW, Patz A, Fine S *Ann Ophthalmol* 7: 79-82, Jan 75 (Eng)

BLOOD

[THE EFFECT OF INTERMITTENT TRAINING LOADS ON BLOOD CHARACTERISTICS IN TROTTERS (AUTHORS TRANSL.)] Krzywanek H, Schulze A, Wittke G *Eur J Appl Physiol* 32: 329-40, 1974 (Ger)

EFFECTS OF FRUCTOSE AND GLUCOSE INFUSIONS ON BLOOD ACID-BASE EQUILIBRIUM IN THE POSTOPERATIVE PERIOD. Hessov I *Acta Chir Scand* 140: 347-51, 1974 (Eng)

HEART RATE AND ENERGY-YIELDING SUBSTRATES IN BLOOD DURING LONG-LASTING RUNNING. Keul J, Haralambie G, Arnold T, Schumann W *Eur J Appl Physiol* 32: 279-89, 1974 (Eng)

POSTMORTEM CHEMISTRIES ON BLOOD WITH PARTICULAR REFERENCE TO UREA NITROGEN, ELECTROLYTES, AND BILIRUBIN. Coe JJ *J Forensic Sci* 19: 33-42, Jan 74 (Eng)

EFFECT OF ADAPTATION TO HIGH ALTITUDE ON COMPONENTS OF BLOOD AND URINE OF LOWLANDERS COMPARED WITH HIGH ALTITUDE NATIVES. Shivastava KK, Malhotra MS *Int J Biometeorol* 18: 229-87, Dec 74 (Eng)

[BIOCHEMICAL AND MORPHOLOGICAL STUDIES OF THE BLOOD AND LIVER IN COWS WITH KETOSIS] Simeonov S, Dimitrov A, Stoianov Kh *Vet Med Nauki* 11: 10-22, 1974 (Bul)

BLOOD, BOVINE

A COMPARISON OF ANTICOAGULANTS FOR THE ANALYSIS OF GLUCOSE CONCENTRATION AND FOR HAEMATOLOGICAL MEASUREMENTS IN BOVINE BLOOD. Manston R, Whitlock RH, Young ER *J Comp Pathol* 84: 59-65, Jan 74 (Eng)

BLOOD CONTENT

[BLOOD CONTENT OF IMMUNOREACTIVE INSULIN IN CHILDREN AND ADOLESCENTS WITH OBESITY] Livergant IuE, Dudenko NV, Krupchitskaia KI *Vopr Okhr Materin Det* 19: 51-4, Oct 74 (Rus)

BLOOD CORPUSCLE

[LONG-TERM STUDY OF ESSENTIAL BLOOD CORPUSCLE SEDIMENTATION VELOCITY] Schmidt HW *Z Allgemeinmed* 50: 1221-4, 10 Oct 74 (Ger)

BLOOD FLOW, CEREBRAL

REDISTRIBUTION OF REGIONAL CEREBRAL BLOOD FLOW AFTER GLYCEROL INFUSION IN ACUTE CEREBRAL INFARCTION. Ott EO, Mathew NT, Meyer JS *Neurology (Minneapolis)* 24: 1117-26, Dec 74 (Eng)

BLOOD, HOLSTEIN CALF

BLOOD CHARACTERISTICS OF THE HOLSTEIN CALF RELEVANT IN CARDIOPULMONARY STUDIES. Nelson JH, Ekins DS, Allen SD *J Appl Physiol* 37: 145-51, Aug 74 (Eng)

BLOOD, PERIPHERAL

PERIPHERAL BLOOD PHAGOCYTE DYSFUNCTION IN CHILDREN WITH KWASHIORKOR. Schopfer K, Muralt A von *Boll Ist Sieroter Milan* 53: suppl0241-4, 1974 (Eng)

BLOOD RHEOGRAPHY

[OCULAR ULTRASONIC BLOOD RHEOGRAPHY WITH O-CROSS COUNTER. REPORT IV. STUDIES OF DIABETIC RETINOPATHY] Yamamoto Y, Hirano S, Kaburagi H, Tomota M, Sueno M *Acta Soc Ophthalmol Jpn* 78: 913-25, 10 Sep 74 (Jpn)

BLOOD SERUM

[BLOOD SERUM EXAMINATION IN MOTHERLESS PIGLETS FROM BIRTH TO THE AGE OF SIX WEEKS (KEPT IN CAGES TILL 30 DAYS OLD). I. GOT, GLUCOSE, HEMATOLOGIC STATUS] Marx D, Loeffler K, Thran V *Berl Munch Tierarztl Wochenschr* 87: 290-5, 1 Aug 74 (Ger)

[INSULIN CONTENT IN THE BLOOD SERUM OF HEALTHY GIRLS AND THE INDICES OF PHYSICAL DEVELOPMENT] Morozova TP, Kolesov DV, Kasatkin IuN, Ametov AS, Smirnova LK *Vopr Okhr Materin Det* 19: 49-51, Oct 74 (Rus)

BLOOD SUGAR REDUCING

[ISOXAZOLECARBOXAMIDOALKYL-BENZOLESULFONYLUREA, -SEMICARBAZIDE AND -AMINOPYRIMIDINE AS WELL AS RELATED COMPOUNDS AND THEIR BLOOD SUGAR REDUCING ACTIVITY] Plumpe H, Horstmann H, Puls W *Arzneim Forsch* 24: 363-74, Mar 74 (Ger)

BLOOD, VENOUS

SEX RELATED DIURNAL VARIATIONS IN VENOUS BLOOD GLUCOSE AND PLASMA INSULIN LEVELS. EFFECTS OF ESTROGENS IN MEN. Hauteceuvre M, Slama G, Assan R, Tchobroutsky G *Diabetologia* 10: 725-30, Dec 74 (Eng)

Diabetes Literature—Keyword Index

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SECRETION OF HYPERGLYCAEMIC HORMONE FROM THE CORPUS CARDIACUM OF FLYING BLOWFLIES, CALLIPHORA ERYTHROCEPHALA. Vejbjerg K, Normann TC *J Insect Physiol* 20: 1189-92, Jul 74 (Eng)

BODY FAT

[TOTAL BODY FAT. ANTHROPOMETRIC EVALUATION (AUTHORS TRANSL.)] Arroyo P, Coronado M, Quiroz SE *Rev Invest Clin* 26: 103-10, Apr-Jun 74 (Spa)

BODY RESPONSE

[THE BODYS RESPONSE TO THE LOCAL APPLICATION OF A THERMAL STIMULUS UNDER CONDITIONS OF INADEQUATE INSULIN FORMATION] Shanko VM *Fiziol Zh* 21: 98-103, Jan-Feb 75 (Ukr)

BODY TEMPERATURE

[RELATION BETWEEN BLOOD GLUCOSE LEVELS AND BODY TEMPERATURE DURING COLD ADAPTATION] Liakh LA *Fiziol Zh SSSR* 60: 88-93, Jan 74 (Rus)

BODY WEIGHT

THE INFLUENCE OF BODY WEIGHT AND CELL SIZE ON LIPOGENESIS AND LIPOLYSIS OF ISOLATED RAT FAT CELLS. Hansen FM, Nielsen JH, Gliemann J *Eur J Clin Invest* 4: 411-8, 5 Dec 74 (Eng)

EFFECT OF A LOW DOSE OF ALLOXAN ON BLOOD GLUCOSE, ISLET BETA CELL GRANULATION, BODY WEIGHT, AND INSULIN RESISTANCE OF OB/OB MICE. Solomon J, Bulkley RJ, Mayer J *Diabetologia* 10: 709-15, Dec 74 (Eng)

BONE GROWTH, LONGITUDINAL

BIOASSAY OF GROWTH HORMONE. II. DETERMINATION OF LONGITUDINAL BONE GROWTH WITH TETRACYCLINE IN THYROID-TREATED HYPOPHYSECTOMIZED RATS. Thorngren KG, Hansson LI *Acta Endocrinol (Kbh)* 75: 669-82, Apr 74 (Eng)

BIOASSAY OF GROWTH HORMONE. I. DETERMINATION OF LONGITUDINAL BONE GROWTH WITH TETRACYCLINE IN HYPOPHYSECTOMIZED RATS. Thorngren KG, Hansson LI *Acta Endocrinol (Kbh)* 75: 653-68, Apr 74 (Eng)

BONE MARROW

[BONE-MARROW TOXICITY, LACTIC ACIDOSIS, AND DISSEMINATED INTRAVASCULAR COAGULATION FOLLOWING PHENFORMIN MEDICATION] Riedler GF, Keusch G, Schmid M *Schweiz Med Wochenschr* 104: 1160-6, 17 Aug 74 (Ger)

BONE MARROW TOXICOLOGY

[BONE-MARROW TOXICITY, LACTIC ACIDOSIS, AND DISSEMINATED INTRAVASCULAR COAGULATION FOLLOWING PHENFORMIN MEDICATION] Riedler GF, Keusch G, Schmid M *Schweiz Med Wochenschr* 104: 1160-6, 17 Aug 74 (Ger)

BRAIN

ACTIVATION OF HEXOSE MONOPHOSPHATE PATHWAY IN BRAIN BY ELECTRICAL STIMULATION IN VITRO. Kimura H, Naito K, Nakagawa K, Kuriyama K *J Neurochem* 23: 79-84, Jul 74 (Eng)

BREAD

WHY BREAD IN THE DIET LOWERS SERUM CHOLESTEROL. Groen JJ *Proc Nutr Soc* 32: 159-67, Dec 73 (Eng)

BRONCHODILATOR

[DOUBLE BLIND TRIAL OF HEXOPRENALINE AS A BRONCHODILATOR] Ulmer WT *Arzneim Forsch* 24: 840-1, May 74 (Ger)

BRUCELLA INFECTION

[A CASE OF DISTURBANCE OF GLUCOSE METABOLISM REGULATION IN THE COURSE OF A BRUCELLA INFECTION] Bagriacik N, Oker C, Biyal F *Turk Tip Cemiy Mecm* 35: 136-44, 1969 (Tur)

BRUSH BORDER

THE IN VIVO LOCALIZATION OF HIGH-AFFINITY PHLORIZIN RECEPTORS TO THE BRUSH BORDER SURFACE OF THE PROXIMAL TUBULE IN DOG KIDNEY. Silverman M *Biochim Biophys Acta* 339: 92-102, 26 Feb 74 (Eng)

TRANSPORT OF D-GLUCOSE BY BRUSH BORDER MEMBRANES ISOLATED FROM THE RENAL CORTEX. Aronson PS, Sacktor B *Biochim Biophys Acta* 356: 231-43, 31 Jul 74 (Eng)

CALCIUM

[STIMULATION BY THYROTROPIN OF THYROID GLAND CALCIUM MOBILIZATION] Rodesch F, Boguier C, Dumont JE *C R Acad Sci [D] (Paris)* 278: 931-4, 11 Feb 74 (Fre)

CALCIUM TRANSLLOCATION BY CELLS. Simkiss K *Endeavour* 33: 119-23, Sep 74 (Eng)

EFFECT OF INTRAPANCREATIC ADMINISTRATION OF CALCIUM UPON GLUCAGON SECRETION IN DOGS. Ohneda A, Matsuda K, Horigome K, Ishii S, Yamagata S *Tohoku J Exp Med* 113: 301-11, Aug 74 (Eng)

CALCIUM ION

THE CALCIUM IONOPHORE A 23 187 AS A PROBE FOR STUDYING THE ROLE OF CA²⁺ IONS IN THE MEDIATION OF CARBACHOL EFFECTS ON RAT SALIVARY GLANDS: PROTEIN SECRETION AND METABOLISM OF PHOSPHOLIPIDS AND GLYCOGEN. Rossignol B, Herman G, Chambaut AM, Keryer G *FEBS Lett* 43: 241-6, 15 Jul 74 (Eng)

CALCIUM IONOPHORE

THE CALCIUM IONOPHORE A 23 187 AS A PROBE FOR STUDYING THE ROLE OF CA²⁺ IONS IN THE MEDIATION OF CARBACHOL EFFECTS ON RAT SALIVARY GLANDS: PROTEIN SECRETION AND METABOLISM OF PHOSPHOLIPIDS AND GLYCOGEN. Rossignol B, Herman G, Chambaut AM, Keryer G *FEBS Lett* 43: 241-6, 15 Jul 74 (Eng)

CALCIUM TRANSPORT

COMPLETE CONTROL OF THE LIPID ENVIRONMENT OF MEMBRANE-BOUND PROTEINS: APPLICATION TO A CALCIUM TRANSPORT SYSTEM. Warren GB, Toon PA, Birdsall NJ, Lee AG, Metcalfe JC *FEBS Lett* 41: 122-4, 15 Apr 74 (Eng)

CALF

GLUCONEOGENESIS IN RUMINANTS: GLUCOSE KINETIC PARAMETERS IN CALVES UNDER STANDARDIZED CONDITIONS. Young JW, Trott DR, Berger PJ, Schmidt SP, Smith JA *J Nutr* 104: 1049-55, Aug 74 (Eng)

CALLIPHORA ERYTHROCEPHALA

SECRETION OF HYPERGLYCAEMIC HORMONE FROM THE CORPUS CARDIACUM OF FLYING BLOWFLIES, CALLIPHORA ERYTHROCEPHALA. Vejbjerg K, Normann TC *J Insect Physiol* 20: 1189-92, Jul 74 (Eng)

CAMP

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CAPILLARY

[DIFFUSION COEFFICIENTS AND SUPPLY RADII OF CAPILLARIES OF THE O₂-AND GLUCOSE METABOLISM IN THE DS-CARCINOSARCOMA (AUTHORS TRANSL.)] Rieger F *Arch Geschwulstforsch* 43: 52-5, 1974 (Ger)

FREEZE-FRACTURE IMAGES OF CAPILLARIES IN NORMAL AND NEOPLASTIC PITUITARIES. Tani E, Ikeda K, Kudo S, Yamagata S, Makita Y *Acta Neuropathol (Berl)* 28: 105-16, 1974 (Eng)

CAPILLARY BASEMENT MEMBRANE

THE STRUCTURE OF THE GLOMERULAR CAPILLARY BASEMENT MEMBRANE IN DIABETES MELLITUS WITH AND WITHOUT NEPHROTIC SYNDROME. Wehner H, Bohle A *Virchows Arch [Pathol Anat]* 364: 303-9, 1974 (Eng)

CAPILLARY, CONJUNCTIVAL

[TRIAL OF RESIVIT ON CONJUNCTIVAL CAPILLARY RESISTANCE] Bakri M *Bull Soc Ophthalmol Fr* 74: 259-61, Feb 74 (Fre)

CARBACHOL EFFECT

THE CALCIUM IONOPHORE A 23 187 AS A PROBE FOR STUDYING THE ROLE OF CA²⁺ IONS IN THE MEDIATION OF CARBACHOL EFFECTS ON RAT SALIVARY GLANDS: PROTEIN SECRETION AND METABOLISM OF PHOSPHOLIPIDS AND GLYCOGEN. Rossignol B, Herman G, Chambaut AM, Keryer G *FEBS Lett* 43: 241-6, 15 Jul 74 (Eng)

CARBOHYDRATE

[CARBOHYDRATES OR LIPIDS] Lutz W *Z Allgemeinmed* 50: 981-3, 10 Aug 74 (Ger)

[STUDIES ON TRANSFORMATIONS OF CARBOHYDRATES. II. EPIMERIZATION AND DEGRADATION OF GLUCOSE IN DILUTED STRONG ALKALINE SOLUTION. (1) (AUTHORS TRANSL.)] Koizumi K, Hashimoto K, Miturai M, Sawada C *J Pharm Soc Jap* 94: 232-7, Feb 74 (Jap)

[INFLUENCE OF STYRENE ON CARBOHYDRATE BALANCE (AUTHORS TRANSL.)] Chmielewski J, Mikulski P *Roczn Pomor Akad Med suppl* 10: 321-4, 1974 (Pol)

CARBOHYDRATE INFUSION

[CARBOHYDRATE INFUSION I: HYPERURICAEMIA CAUSED BY CARBOHYDRATE INFUSION] Yoshikawa K, Kuro M, Oda T,

Minami T *Jap J Anesthesiol* 23: 106-14, Feb 74 (Jap)

CARBOHYDRATE METABOLISM

[CHANGES INDUCED BY THEOPHYLLINE IN VITRO ON THE GLYCOGEN CONTENT, CARBOHYDRATE METABOLISM AND FINALLY ON THE PHAGOCYTIC AND BACTERICIDAL ACTIVITY OF POLYNUCLEAR LEUKOCYTES] Henon M, Launay A, Delaunay A *C R Acad Sci [D] (Paris)* 278: 521-4, 21 Jan 74 (Fre)

[STUDY OF SUGARS AND CARBOHYDRATE METABOLISM ENZYMES IN RHIZOBIUM LUPINI IN SYMBIOSIS] Petrova AN, Chermenskaia IE, Kretovich VL *Dokl Akad Nauk SSSR* 217: 479-80, 11 Jul 74 (Rus)

CARBOHYDRATE METABOLISM IN RAT UTERUS DURING THE OESTROUS CYCLE. Greenstreet R, Fotherby K *Steroids Lipids Res* 4: 341-50, 1973 (Eng)

CARBOHYDRATE METABOLISM IN SHOCK RESISTANCE. Bardoczi A, Arokszailli J, Karady S *Adv Exp Med Biol* 33: 649-53, 1972 (Eng)

CARBOHYDRATE METABOLISM IN PREGNANCY. XII. THE EFFECT OF ORAL GLUCOSE ON PLASMA CONCENTRATIONS OF HUMAN PLACENTAL LACTOGEN AND CHORIONIC GONADOTROPIN DURING LATE PREGNANCY IN NORMAL SUBJECTS AND GESTATIONAL DIABETICS. Surmaczynska BZ, Nitzan M, Metzger BE, Freinkel N *Isr J Med Sci* 10: 1481-6, Dec 74 (Eng)

NORMAL CARBOHYDRATE METABOLISM AND CARBOHYDRATE METABOLISM IN TRAUMA. Hultman E, Bergstrom J, Nilsson LH *Acta Anaesthesiol Scand [Suppl]* 28-49, 1974 (Eng)

CARBOHYDRATE AND LIPID METABOLISM IN THE NEWBORN INFANT. Persson B *Acta Anaesthesiol Scand [Suppl]* 50-7, 1974 (Eng)

CARBOHYDRATE METABOLISM, ENZYME

ENZYMES OF CARBOHYDRATE AND FAT METABOLISM IN ANTI-INSULIN SERUM DIABETES: INACTIVATION BY FREE FATTY ACIDS AND THE PROTECTIVE EFFECT OF CELLULAR PROTEIN. Shafir E, Ruderman NB *Diabetologia* 10: 731-42, Dec 74 (Eng)

CARBOHYDRATE MOIETY

A ROLE OF THE CARBOHYDRATE MOIETY OF GLUCOSE OXIDASE: KINETIC EVIDENCE FOR PROTECTION OF THE ENZYME FROM THERMAL INACTIVATION IN THE PRESENCE OF SODIUM DODECYL SULFATE. Nakamura S, Hayashi S *FEBS Lett* 41: 327-30, 1 May 74 (Eng)

CARBOHYDRATE SUPPLEMENT

FACTORY ACCIDENTS AND CARBOHYDRATE SUPPLEMENTS. Brooke JD, Toogood S *Proc Nutr Soc* 32: 94a-95a, Dec 73 (Eng)

CARBOHYDRATE TOLERANCE

[CHANGES IN CARBOHYDRATE TOLERANCE DURING SURGERY - WITH SPECIAL REFERENCE TO COMPARISON BETWEEN GLUCOSE AND MALTOSE] Aono K, Harano K, Hirokata Y, Nakamura Y *Jpn J Anesthesiol* 23: 797-805, Sep 74 (Jpn)

CARBOHYDRATE TOLERANCE DISORDER

[DISORDERS OF CARBOHYDRATE TOLERANCE IN PATIENTS WITH CHRONIC AZOTEMIA] Kovac T, Lepsanovic L, Tepavcevic P *Med Arh* 28: 399-404, Jul-Aug 74 (Ser)

CARBOHYDRATE TRANSPORT

[MECHANISM OF ACTION OF OUABAIN ON CARBOHYDRATE TRANSPORT IN FROG SKELETAL MUSCLES] Nikolskii NN, Skopicheva VI, Troshin AS *Dokl Akad Nauk SSSR* 219: 1231-4, 1974 (Rus)

13-CARBON

CARBON-13 FOURIER TRANSFORM NUCLEAR MAGNETIC RESONANCE. 8. ROLE OF STERIC AND ELECTRIC FIELD EFFECTS IN FATTY ACID SPECTRA. Batchelor JG, Cushley RJ, Prestegard JH *J Org Chem* 39: 1698-1705, 14 Jun 74 (Eng)

CARBON-13 FOURIER TRANSFORM

CARBON-13 FOURIER TRANSFORM NUCLEAR MAGNETIC RESONANCE. 8. ROLE OF STERIC AND ELECTRIC FIELD EFFECTS IN FATTY ACID SPECTRA. Batchelor JG, Cushley RJ, Prestegard JH *J Org Chem* 39: 1698-1705, 14 Jun 74 (Eng)

CARBOXAMIDE DERIVATIVE

[NEW COMPOUNDS AND REACTIONS OF SULFONAMIDES WITH AMINES. XIV. HYPOGLYCEMIC PROPERTIES OF SOME DERIVATIVES OF N-(BENZENOSULFONYL)-DELTA-2-PYRAZOLINE-1-CARBOXAMIDE] Brzozowski Z, Angielski S, Wojcikowski C *Acta Pol Pharm* 31: 601-6, 1974 (Pol)

CARBOXYL MODIFIED HORMONE

LIPOTROPIC AND ADRENOCORTICOTROPIC HORMONES. BIOLOGICAL ACTIVITIES OF THE CARBOXYL-MODIFIED HORMONES. Gilardeau C, Chretien M, Lis M *Can J Physiol Pharmacol* 52: 723-6, Jun 74 (Eng)

CARBOXYLASE, ACETYL COENZYME A

REGULATORY MECHANISMS FOR LIVER ACETYL COENZYME A CARBOXYLASE. Numa S, Hashimoto T, Nakanishi S, Okazaki T *Biochem Soc Symp* 27-39, 1972 (Eng)

CARBOXYLASE, PHOSPHOPYRUVATE

THE DEVELOPMENT OF PHOSPHOPYRUVATE CARBOXYLASE AND GLUCONEOGENESIS IN NEONATAL RATS. Pearce PH, Buirchell BJ, Weaver PK, Oliver IT *Biol Neonate* 24: 320-9, 1974 (Eng)

CARDIAC CONTRACTILITY

THE EFFECT OF NORADRENALINE AND TYRAMINE ON CARDIAC CONTRACTILITY, CYCLIC AMP, AND PHOSPHORYLASE A IN NORMAL AND HYPERTHYROID RATS. Young BA, McNeill JH *Can J Physiol Pharmacol* 52: 375-83, Jun 74 (Eng)

CARDIOGENIC SHOCK

RATIONAL THERAPEUTIC APPROACH TO CARDIOGENIC SHOCK. Wiener L *Cardiovasc Clin* 6: 223-37, 1974 (Eng) [79]

CARDIOPULMONARY STUDY

BLOOD CHARACTERISTICS OF THE HOLSTEIN CALF RELEVANT IN CARDIOPULMONARY STUDIES. Nelson JH, Ekins DS, Allen SD *J Appl Physiol* 37: 145-51, Aug 74 (Eng)

CARDIOVASCULAR EPIDEMIOLOGY

CARDIOVASCULAR EPIDEMIOLOGY IN NEW ZEALAND AND THE PACIFIC. Prior IA *NZ Med J* 80: 245-52, 25 Sep 74 (Eng)

CARDIOVASCULAR SYSTEM DISORDER

[DISORDERS OF THE CARDIOVASCULAR SYSTEM IN PATIENTS WITH DIABETES MELLITUS] Kliuchko VR, Mazovetskii AG, Slavina LS *Kardiologiya* 14: 150-8, Oct 74 (Rus)

L-CARNITINE

DEMONSTRATION OF AN ENZYMATIC TRANSFER REACTION BETWEEN BETA-METHYL-CROTONYL-COENZYME A AND L-CARNITINE. Alkonyi I, Sandor A *Acta Biochim Biophys Acad Sci Hung* 7: 149-50, 1972 (Eng)

CARNOSINE

COMPETITION BETWEEN CARNOSINE AND OTHER PEPTIDES FOR TRANSPORT BY HAMSTER JEJUNUM IN VITRO. Addison JM, Matthews DM, Burston D *Clin Sci Mol Med* 46: 707-14, Jun 74 (Eng)

CARRIER MULTIPLICITY

FURTHER EVIDENCE FOR THE MULTIPLICITY OF CARRIERS FOR FREE GLUCOLOGUES IN HAMSTER SMALL INTESTINE. Honegger P, Gershon E *Biochim Biophys Acta* 352: 127-34, 30 May 74 (Eng)

CATARACT, DIABETIC

[ASSISTANCE OF PATIENTS WITH DIABETIC CATARACT] Anonymous *Jpn J Nurs Art* 20: 69-77, Aug 74 (Jpn)

CATARACT, MOUSE

THE ABSENCE OF CATARACTS IN MICE WITH CONGENITAL HYPERGLYCEMIA. Varma SD, Kinoshita JH *Exp Eye Res* 19: 577-82, Dec 74 (Eng)

CATECHOLAMINE

ACCELERATION OF SUGAR TRANSPORT IN AVIAN ERYTHROCYTES BY CATECHOLAMINES. Whitfield CF, Rannels SR, Morgan HE *J Biol Chem* 249: 4181-8, 10 Jul 74 (Eng)

COMPARISON OF PHARMACOLOGICAL RESPONSES TO NICOTINE AND RELEASE OF CATECHOLAMINES FROM THE ADRENALS IN DOGS AND MONKEYS. Tsujimoto A, Nishikawa T, Doi T, Kojima S *Eur J Pharmacol* 26: 236-42, May 74 (Eng)

MEMBRANE PROTEINS OF CATECHOLAMINE-STORING VESICLES IN ADRENAL MEDULLA AND SYMPATHETIC NERVES. Winkler H, Hortnagl H, Asamer H, Plattner H *Adv Exp Med Biol* 32: 69-81, 1972 (Eng)

Diabetes Literature—Keyword Index

CATECHOLAMINE EXCRETION

CATECHOLAMINE EXCRETION

[STUDY OF CATECHOLAMINE EXCRETION AFTER SINGLE ADMINISTRATION OF GLUCAGON IN DIABETICS (AUTHORS TRANSL.)] Razuš M, Balazovjech I, Kratochvilova H Bratisl *Lek Listy* 62: 701-10, Dec 74 (Slo)

CATECHOLAMINE, PLASMA

GLUCAGON AND PLASMA CATECHOLAMINE RESPONSES TO GRADED AND PROLONGED EXERCISE IN MAN. Galbo H, Holst JJ, Christensen NJ *J Appl Physiol* 38: 70-6, Jan 75 (Eng)

CATION TRANSPORT

TURNOVER NUMBERS FOR IONOPHORE-CATALYZED CATION TRANSPORT ACROSS THE MITOCHONDRIAL MEMBRANE. Haynes DH, Wiens T, Pressman BC *J Membr Biol* 18: 23-38, 1974 (Eng)

CATIONIC ENVIRONMENT

CATIONIC ENVIRONMENT AND DYNAMICS OF INSULIN SECRETION. III. EFFECT OF THE ABSENCE OF POTASSIUM. Henquin JC, Lambert AE *Diabetologia* 10: 789-94, Dec 74 (Eng)

CATTLE

A STUDY OF THE EFFECTS OF NICOTINIC ACID IN CATTLE, WITH SPECIAL REFERENCE TO KETOSIS THERAPY. Nurmo P, Roine K, Juoksilahti T, Loman A *Nord Vet Med* 26: 370-81, Jun 74 (Eng)

[RUMEN ACIDOSIS AND THE DIABETIC SYNDROME IN CATTLE] Ivanov IT *Vet Med Nauki* 11: 59-63, 1974 (Bul)

CELIAC DISEASE

COEXISTENCE OF DIABETES MELLITUS AND CELIAC DISEASE. Thain ME, Hamilton JR, Ehrlich RM *J Pediatr* 85: 527-9, Oct 74 (Eng)

CELL

BIOTIN UPTAKE BY COLD-SHOCKED CELLS, SPHEROPLASTS, AND RERESSED CELLS OF *SACCHAROMYCES CEREVISIAE*: LACK OF FEEDBACK CONTROL. Cimanec JF, Lichtstein HC *J Bacteriol* 119: 718-25, Sep 74 (Eng)

THE INFLUENCE OF BODY WEIGHT AND CELL SIZE ON LIPOGENESIS AND LIPOLYSIS OF ISOLATED RAT FAT CELLS. Hansen FM, Nielsen JH, Gliemann J *Eur J Clin Invest* 4: 411-8, 5 Dec 74 (Eng)

CELL CYCLE

EDITORIAL: THE CELL CYCLE, DIABETES, AND THE RETINA. Futterman S *Invest Ophthalmol* 14: 4-6, Jan 75 (Eng)

CELL MEMBRANE

BASIS FOR THE SELECTIVITY OF ACTION OF THE POLYMYXIN ANTIBIOTICS ON CELL MEMBRANES. Feingold DS, HsuChen CC, Sud U *Ann NY Acad Sci* 235: 480-92, 10 May 74 (Eng)

EM49: A NEW POLYPEPTIDE ANTIBIOTIC ACTIVE AGAINST CELL MEMBRANES. Meyers E, Parker WL, Brown WE, Linnett P, Strominger JL *Ann NY Acad Sci* 235: 493-501, 10 May 74 (Eng)

LETTER: TRANSPORT OF ORGANIC ACIDS ACROSS CELL MEMBRANE. Sable HZ *N Engl J Med* 291: 582, 12 Sep 74 (Eng)

CELL POPULATION

IMMUNOHISTOCHEMICAL EVIDENCE FOR THE LOCALIZATION OF SOMATOSTATIN-LIKE IMMUNOREACTIVITY IN A CELL POPULATION OF THE PANCREATIC ISLETS. Luft R, Efendic S, Hokfelt T, Johansson O, Arimura A *Med Biol* 52: 428-30, Dec 74 (Eng)

CELL SURFACE

CELL SURFACE GLYCOLIPID AND GLYCOPROTEIN GLYCOSYLTRANSFERASES OF NORMAL AND TRANSFORMED CELLS. Patt LM, Grimes WJ *J Biol Chem* 249: 4157-65, 10 Jul 74 (Eng)

CENTRIFUGAL ANALYZER

A CENTRIFUGAL ANALYZER WITH A NEW ALL-DIGITAL MEASUREMENT SYSTEM. Avery J, Gregory RP 4th, Renoe BW, Woodruff T, Malmstadt HV *Clin Chem* 20: 942-49, Aug 74 (Eng)

A VERSATILE MINIDISC MODULE FOR A CENTRIFUGAL ANALYZER. Renoe BW, Gregory RP 4th, Avery J, Malmstadt HV *Clin Chem* 20: 955-60, Aug 74 (Eng)

OPTIMIZATION AND ANALYTICAL APPLICATIONS OF THE TECHNIQUE DYNAMIC INTRODUCTION OF LIQUIDS INTO CENTRIFUGAL ANALYZERS. Burtis CA, Johnson WF, Overton JB, Tiffany TO, Mailen JC *Clin Chem* 20: 932-41, Aug 74 (Eng)

CENTRIFUGAL PROCESSOR

INCORPORATION OF A HIGH-SPEED DECIMAL DATA PROCESSOR INTO A CENTRIFUGAL ANALYZER. Gregory RP 4th, Avery J, Renoe BW, Dryden PC, Malmstadt HV *Clin Chem* 20: 950-4, Aug 74 (Eng)

CEREBELLUM

EFFECTS OF INSULIN, TRIIODOTHYRONINE AND CORTICOSTERONE ON ORGAN CULTURES OF THE ADULT RAT CEREBELLUM. Kiernan JA *Acta Neuropathol (Berl)* 30: 25-31, 1974 (Eng)

CEREBRAL CORTEX

EFFECTS OF ACETYLCHOLINE ON INCORPORATION OF (14C)GLUCOSE INTO PHOSPHATIDYLINOSITOL AND ON PHOSPHATIDYLINOSITOL BREAKDOWN IN SUBCELLULAR FRACTIONS FROM CEREBRAL CORTEX. Lapetina EG, Michell RH *J Neurochem* 23: 283-7, Jul 74 (Eng)

PROCEEDINGS: GLYCINE RECEPTORS IN THE CEREBRAL CORTEX ARE PROBABLY TRANSPORT RECEPTORS. Orrego F, Valdes F *Acta Physiol Lat Am* 23: 623-5, 1973 (Eng)

CEREBRAL METABOLIC EFFECT

CEREBRAL METABOLIC EFFECTS OF GLYCEROL INFUSION IN DIABETICS WITH STROKE. Meyer JS, Shimazu K, Ouchi T, Okamoto S, Koto A, Fukuuchi Y, Ericsson AD *J Neuro Sci* 21: 1-22, Jan 74 (Eng)

CEREBROSPINAL FLUID

SOME CHEMICAL PARAMETERS OF SERUM, CEREBROSPINAL FLUID, PERILYMPH, AND AQUEOUS HUMOR OF THE CHINCHILLA. Juhn SK, Haugen J, Steven L *Lab Anim Sci* 24: 691-5, Aug 74 (Eng)

CEREBROVASCULAR DISEASE

THE ASSESSMENT OF INSULIN, GLUCOSE AND LIPIDS IN ISCHEMIC THROMBOTIC CEREBROVASCULAR DISEASE. Gertler MM, Lectma HE, Koutrouby RJ, Johnson ED *Stroke* 6: 77-84, Jan-Feb 75 (Eng)

CESAREAN SECTION

CESAREAN SECTION IN THE MASSIVELY OBESE. Sicuranza BJ, Tisdall LH *J Reprod Med* 14: 10-1, Jan 75 (Eng)

CHARGE STORAGE

CHARGE INJECTION AND CHARGE STORAGE IN LIPID MULTILAYERS. Lundstrom I, Stenberg M *Chem Phys Lipids* 12: 287-302, Jul 74 (Eng)

CHEMICAL DIABETES

LONGITUDINAL STUDY OF UNTREATED CHEMICAL DIABETES. Logie AW, Stowers JM, Dingwall-Fordyce I *Br Med J* 4: 630-2, 14 Dec 74 (Eng)

[HEPATIC CIRRHOSIS (NON HEMOCHROMATOSIC), DIABETES MELLITUS, II. INCIDENCE OF CHEMICAL DIABETES IN A GROUP OF 106 CIRRHOTIC PATIENTS] Cerdan Vallejo A, Martin Zurro A, Camunez Benjumea F, Ortiz Vazquez J *Rev Clin Exp* 134: 355-62, 31 Aug 74 (Spa)

CHICK EMBRYO

HISTOGENESIS OF THE ISLETS OF LANGERHANS IN MALATHION-TREATED CHICK EMBRYOS. Arsenault AL, Gibson MA *Can J Zool* 52: 1541-4, Dec 74 (Eng)

INFLUENCE OF INSULIN ON SENSITIVITY TO TETRODOTOXIN OF ISOLATED CHICK EMBRYO HEART CELLS IN CULTURE. Le Douarin G, Renaud JF, Renaud D, Coraboeuf E *J Mol Cell Cardiol* 6: 523-9, Dec 74 (Eng)

CHILD

[EFFECT OF LOW-CALORIE DIET ON LIPOLYTIC ENZYMES AND OTHER INDEXES AND PSYCHOLOGICAL BEHAVIOR OF CHILDREN WITH ORDINARY OBESITY] Szczepski O, Walczak M, Korman E, Socha J, Waligora A, Waligora Z *Endokrynol Pol* 25: 31-42, Jan-Feb 74 (Pol)

[SOMATOMEDIN ACTIVITY OF THE SERUM IN THE NORMAL CHILD AND IN HYPOPHYBITARISM] Binet E, Schlumberger A, Chausain JL, Job JC *Arch Fr Pediatr* 31: 339-46, Apr 74 (Fre)

PERIPHERAL BLOOD PHAGOCYTE DYSFUNCTION IN CHILDREN WITH KWASHIORKOR. Schopfer K, Murali A von Boll Ist *Sieroter Milan* 53: suppl0241-4, 1974 (Eng)

THE METABOLIC RESPONSE TO EXERCISE AND EXHAUSTION IN NORMAL AND GROWTH-HORMONE-DEFICIENT CHILDREN. Winter JS *Can J Physiol Pharmacol* 52: 575-82, Jun 74 (Eng)

DIABETIC CRISES IN CHILDREN TREATED WITH SMALL DOSES OF INTRAMUSCULAR INSULIN. Moseley J *Br Med J* 1: 59-61, 11 Jan 75 (Eng)

HYPERGLYCEMIC RESPONSE IN CHILDREN WITH CONVULSIONS. Bajaj RT, Desai M *Indian Pediatr* 11: 719-22, Nov 74 (Eng)

GLYCEROL INTOLERANCE IN A CHILD WITH INTERMITTENT HYPOGLYCEMIA. Maclaren NK, Cowles C, Ozand PT, Shutee R, Cornblath M *J Pediatr* 86: 43-9, Jan 75 (Eng)

Diabetes Literature—Keyword Index

[HYPERACTIVITY OF THE BETA-RECEPTOR IN CHILDREN—WITH SPECIAL REFERENCE TO PERIODIC VOMITING (SO-CALLED AUTOTOXICATION) AND ORTHOSTATIC DYSREGULATION] Furusho K, Muraishi K, Sato K, Noda C *Jpn J Clin Med* 32: 2907-18, Sep 74 (Jpn)

[ANTIBODIES AGAINST THERAPEUTIC ANIMAL INSULINS AND HOMOLOGOUS PROTEINS IN THE COURSE OF DIABETES IN CHILDREN AND ADOLESCENTS] Karczewska K *Med Dosw Mikrobiol* 26: 317-24, 1974 (Pol)

[INSULIN ANTIBODIES AND THE ACTUAL INSULIN REQUIREMENTS IN CHILDREN AND ADOLESCENTS WITH PRIMARY DIABETES] Karczewska K, Felus E, Panek G, Otto-Buczowska E, Dudziak Z *Med Dosw Mikrobiol* 26: 325-30, 1974 (Pol)

[EFFECT OF HEREDITARY FACTORS ON CERTAIN INDICATORS OF METABOLISM IN CHILDREN AND ADOLESCENTS WITH OBESITY] Dudenko NV, Anishchuk VP, Savchenko DD *Pediatrriia* 34-7, Dec 74 (Rus)

[SOMATOTROPIN AND NONESTERIFIED FATTY ACID CONTENT DURING THE STANDARD GLUCOSE TOLERANCE TEST IN CHILDREN AND ADOLESCENTS FROM FAMILIES WITH THE HISTORY OF DIABETES MELLITUS] Stulii LA, Balabolkin MI, Rozhnov AA, Kasatkin IN, Smirnova LK *Probl Endokrinol (Mosk)* 20: 3-7, Sep-Oct 74 (Rus)

[BLOOD CONTENT OF IMMUNOREACTIVE INSULIN IN CHILDREN AND ADOLESCENTS WITH OBESITY] Livergant IuE, Dudenko NV, Krupchitskaia KI *Vopr Okhr Materin Det* 19: 51-4, Oct 74 (Rus)

CHILD, DIABETIC

PHYSICAL DEVELOPMENT AND PERFORMANCE CAPACITY IN A GROUP OF DIABETIC CHILDREN AND ADOLESCENTS. Hebbelinc M, Loeb H, Meersseman H *Acta Paediatr Belg* 28 suppl: 151-61, 1974 (Eng)

CHILDHOOD

DIABETES IN CHILDHOOD. Stimmler L *Guys Hosp Rep* 122: 17-23, 1973 (Eng)

A NONCULTURE METHOD FOR HOME FOLLOW-UP OF URINARY TRACT INFECTIONS IN CHILDHOOD. Todd J, McLain L, Duncan B, Brown M *J Pediatr* 85: 514-6, Oct 74 (Eng)

CHINCHILLA

SOME CHEMICAL PARAMETERS OF SERUM, CEREBROSPINAL FLUID, PERILYMPH, AND AQUEOUS HUMOR OF THE CHINCHILLA. Juhn SK, Haugen J, Steven L *Lab Anim Sci* 24: 691-5, Aug 74 (Eng)

CHLORPROMAZINE

MECHANISMS OF HYPERGLYCEMIC RESPONSE TO CHLORPROMAZINE ADMINISTERED INTO LATERAL VENTRICLE IN RATS. I. POSSIBLE ROLE OF DOPAMINERGIC NERVOUS SYSTEM. Fujimori K, Iwamoto T *Neuropharmacology* 13: 245-54, Apr 74 (Eng)

MECHANISMS OF HYPERGLYCEMIC RESPONSE TO CHLORPROMAZINE ADMINISTERED INTO LATERAL VENTRICLE IN RATS. II. SECRETION OF EPINEPHRINE FROM ADRENAL MEDULLA. Fujimori K, Iwamoto T *Neuropharmacology* 13: 255-60, Apr 74 (Eng)

CHLORPROPAMIDE

[ADRENAL RESERVE IN DIABETES INSIPIDUS TREATED WITH CHLORPROPAMIDE] Mazanek E, Zaleski J, Kowalski S, Panek E, Starzewska H *Endokrynol Pol* 26: 17-20, Jan-Feb 75 (Pol)

CHLORPROPAMIDE HYPONATREMIA. Danchaivijitr S, Tandanand S *J Med Assoc Thai* 57: 496-9, Oct 74 (Eng)

CHOLERA TOXIN EFFECT

EFFECT OF CHOLERA TOXIN ON INSULIN RELEASE IN MONOLAYER CULTURES OF THE ENDOCRINE PANCREAS. Wollheim CB, Blondel B, Sharp GW *Diabetologia* 10: 783-7, Dec 74 (Eng)

CHOLESTEROL

[THICKENING OF THE AORTIC WALL IN EXPERIMENTAL CHOLESTEROL ARTERIOSCLEROSIS] Lusztig G, Mak L *Z Gesamte Inn Med* 29: 443-6, 1 Jun 74 (Ger)

POLYENE ANTIBIOTIC-STEROL INTERACTIONS IN MEMBRANES OF ACHOLEPLASMA LAIDLAWII CELLS AND LECITHIN LIPOSOMES. 3. MOLECULAR STRUCTURE OF THE POLYENE ANTIBIOTIC-CHOLESTEROL COMPLEXES. Kruijff B de, Demel RA *Biochim Biophys Acta* 339: 57-70, 26 Feb 74 (Eng)

THE RATE OF CHOLESTEROL FLIP-FLOP IN LIPID BILAYERS AND ITS RELATION TO MEMBRANE STEROL POOLS. Smith RJ, Green C *FEBS Lett* 42: 108-11, 15 May 74 (Eng)

THE STOICHIOMETRY AND DYNAMICS OF LECITHIN-CHOLESTEROL CLUSTERS IN BILAYER MEMBRANES. Phillips MC, Finer EG *Biochim Biophys Acta* 356: 199-206, 31 Jul 74 (Eng)

THE STRUCTURE AND FUNCTION OF AMPHOTERICIN B-CHOLESTEROL PORES IN LIPID BILAYER MEMBRANES. Andreoli TE *Ann NY Acad Sci* 235: 448-68, 10 May 74 (Eng)

CHOLESTEROL METABOLISM

PANCREATIC ALPHA CELL FUNCTION IN RELATION TO CHOLESTEROL METABOLISM IN BANDICOTA BENGALENSIS. Suryawanshi SA, Sontakke KK, Kumar VR *Endokrynol Pol* 26: 21-3, Jan-Feb 75 (Eng)

CHOLESTEROL, SERUM

PREDICTION OF SERUM CHOLESTEROL. Milesis CA, Williams BT *Nebr Med J* 59: 245-51, Jul 74 (Eng)

SERUM CHOLESTEROL AND SERUM TRIGLYCERIDE LEVELS IN AUSTRALIAN ADOLESCENT MALES. Hickie JB, Sutton J, Russo P, Ruys J, Kraegen EW *Med J Aust* 1: 825-8, 25 May 74 (Eng)

WHY BREAD IN THE DIET LOWERS SERUM CHOLESTEROL. Groen JJ *Proc Nutr Soc* 32: 159-67, Dec 73 (Eng)

CHORIONIC GONADOTROPIN

CARBOHYDRATE METABOLISM IN PREGNANCY. XII. THE EFFECT OF ORAL GLUCOSE ON PLASMA CONCENTRATIONS OF HUMAN PLACENTAL LACTOGEN AND CHORIONIC GONADOTROPIN DURING LATE PREGNANCY IN NORMAL SUBJECTS AND GESTATIONAL DIABETICS. Surmaczynska BZ, Nitzan M, Metzger BE, Freinkel N *Isr J Med Sci* 10: 1481-6, Dec 74 (Eng)

CLOFIBRATE EFFECT

CHROMATIN

AN IN VIVO INSULIN EFFECT ON HEPATOCYTE CHROMATIN DETERMINED BY DNA-RNA HYBRIDIZATION. Drake RL, Morgan CR *Biochem Biophys Res Commun* 62: 342-9, 20 Jan 75 (Eng)

CHROMOPHOB ADENOMA

EFFECTS OF SURGICAL TREATMENT ON HYPOTHALAMO-PITUITARY-ADRENOCORTICAL FUNCTIONS IN PITUITARY CHROMOPHOB ADENOMA AND CRANIOPHARYNGIOMA. Nishida S, Ando S, Kitamura K, Tomonaga M *Endocrinol Exp (Bratisl)* 8: 269-79, Dec 74 (Eng)

CHROMOSOME PICTURE

[SIMULTANEOUS INCIDENCE OF DIABETES MELLITUS, CIRRHOTIC HEPATITIS AND 47, XX, 21&46, XX CHROMOSOME PICTURE] Barta L, Kemeny P, Regoly Mercei A *Orv Hetil* 116: 153-5, 19 Jan 75 (Hun)

CIRCULATORY RESPONSE

THE EFFECT OF PRACTOLOL ON CIRCULATORY RESPONSE AFTER SYMPATHETIC STIMULATION AND ON PLASMA GROWTH HORMONE AND INSULIN LEVELS. Syvalahti E, Iisalo E, Leppanen O *Ann Clin Res* 6: 258-65, Oct 74 (Eng)

CIRRHOSIS, HEPATIC

[HEPATIC CIRRHOSIS (NON HEMOCHROMATOSIC), DIABETES MELLITUS, II. INCIDENCE OF CHEMICAL DIABETES IN A GROUP OF 106 CIRRHOTIC PATIENTS] Cerdan Vallejo A, Martin Zurro A, Camunez Benjumea F, Ortiz Vazquez J *Rev Clin Esp* 134: 355-62, 31 Aug 74 (Spa)

CIRRHOTIC

[HEPATIC CIRRHOSIS (NON HEMOCHROMATOSIC), DIABETES MELLITUS, II. INCIDENCE OF CHEMICAL DIABETES IN A GROUP OF 106 CIRRHOTIC PATIENTS] Cerdan Vallejo A, Martin Zurro A, Camunez Benjumea F, Ortiz Vazquez J *Rev Clin Esp* 134: 355-62, 31 Aug 74 (Spa)

CITRULLINE

INTERRELATIONSHIP BETWEEN PHOSPHOENOLPYRUVATE AND CITRULLINE SYNTHESIS IN GUINEA PIG LIVER MITOCHONDRIA. Bryla J, Zaleski J, Kubica A *Acta Biochim Pol* 21: 199-211, 1974 (Eng)

CLEARING FACTOR LIPASE

EFFECTS OF FRUCTOSE, SUCROSE AND GLUCOSE FEEDING ON PLASMA INSULIN CONCENTRATIONS AND ON ADIPOSE-TISSUE CLEARING-FACTOR LIPASE ACTIVITY IN THE RAT. Cryer A, Riley SE, Williams ER, Robinson DS *Biochem J* 140: 561-63, Jun 74 (Eng)

CLINICAL DEMONSTRATION

[CLINICAL DEMONSTRATIONS] Labhart A *Schweiz Med Wochenschr* 104: 1830-41, 14 Dec 74 (Ger)

CLOFIBRATE EFFECT

EFFECT OF CLOFIBRATE ADMINISTRATION ON PLASMA POST-HEPARIN LIPOLYTIC ACTIVITY IN MAN. Maruhama Y, Yanbe A,

Diabetes Literature—Keyword Index

CLOMIPHENE EFFECT

Abe R, Oneda A, Yamagata S *Tohoku J Exp Med* 113: 343-9, Aug 74 (Eng)

CLOMIPHENE EFFECT

PROCEEDINGS: THE RELATIONSHIP BETWEEN PROLACTIN AND GONADOTROPHINS: EFFECTS OF CLOMIPHENE ADMINISTRATION IN NORMAL MEN. Thorne MO, Besser GM, Hagen C, McNeilly AS *J Endocrinol* 63: 43p-44p, Nov 74 (Eng)

COBALTOUS CHLORIDE

ALTERATION OF IN VIVO GLUCOSE METABOLISM BY COBALTOUS CHLORIDE. Isom GE, Way JL *Toxicol Appl Pharmacol* 27: 131-9, Jan 74 (Eng)

COCCIDIOIDOMYCOSIS

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COENZYME A

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COLD ADAPTATION

[RELATION BETWEEN BLOOD GLUCOSE LEVELS AND BODY TEMPERATURE DURING COLD ADAPTATION] Liakh LA *Fiziol Zh SSSR* 60: 88-93, Jan 74 (Rus)

COLD SHOCKED CELL

BIOTIN UPTAKE BY COLD-SHOCKED CELLS, SPHEROPLASTS, AND RERESSED CELLS OF SACCHAROMYCES CEREVISIAE: LACK OF FEEDBACK CONTROL. Ciermanec JF, Lichstein HC *J Bacteriol* 119: 718-25, Sep 74 (Eng)

COLLOIDAL IRON, SULFIDE SILVER

[HISTOCHEMICAL DEMONSTRATION OF PANCREATIC B-CELLS BY THE USE OF A PERFORMIC ACID-COLLOIDAL IRON/SULFIDE-SILVER METHOD (AUTHORS TRANSL.)] Klessen C *Histochemistry* 41: 133-9, 1974 (Ger)

COMA, DIABETIC

LETTER: TREATMENT OF D.I.C. COMPLICATING DIABETIC COMA. Weber AB *Br Med J* 1: 96, 11 Jan 75 (Eng)

[CONTRIBUTION OF THE WORK OF PROF. J. SYLLABA: TREATMENT OF DIABETIC COMA BASED ON OWN EXPERIENCES. PROJECT FOR THE UNIFICATION OF TREATMENT. VNITRNI LEK. 20, 1974; 7: P.686-93] Pav J, Rosival V *Vnitř Lek* 20: 1215-8, Dec 74 (Cze)

COMA, HYPEROSMOLAR

[HYPEROSMOLAR COMA] Stumpe KO, Kruck F *Med Klin* 69: 2051-62, 13 Dec 74 (Ger) [41]

COMPUTER

[USE OF ELECTRONIC COMPUTERS FOR QUALITY CONTROL OF SOME LABORATORY TESTS MADE WITH CONTINUOUS-FLOW APPARATUS] Rossi E *Quad Scavo Diagn* 9: 819-36, Sep 73 (Ita)

CONCANAVALLIN A

BINDING OF CONCANAVALLIN A-SEPHAROSE TO GLYCOPROTEINS OF LIVER MICROSOMAL MEMBRANES. Winqvist L, Eriksson LC, Dallner G *FEBS Lett* 42: 27-31, 15 May 74 (Eng)

PERTURBATION OF LEUKOCYTE METABOLISM BY NONPHAGOCYTOSABLE CONCANAVALLIN A-COUPLED BEADS. Romeo D, Jug M, Zabucchi G, Rossi F *FEBS Lett* 42: 90-3, 15 May 74 (Eng)

CONCENTRATION, PLASMA

CARBOHYDRATE METABOLISM IN PREGNANCY. XII. THE EFFECT OF ORAL GLUCOSE ON PLASMA CONCENTRATIONS OF HUMAN PLACENTAL LACTOGEN AND CHORIONIC GONADOTROPIN DURING LATE PREGNANCY IN NORMAL SUBJECTS AND GESTATIONAL DIABETICS. Surmaczynska BZ, Nitzan M, Metzger BE, Freinkel N *Isr J Med Sci* 10: 1481-6, Dec 74 (Eng)

CONSCIOUS DOG

NON-ESTERIFIED FATTY ACID (FFA) METABOLISM FOLLOWING SEVERE HEMORRHAGE IN THE CONSCIOUS DOG. Spitzer JJ, Wiener R, Wolf EH *Adv Exp Med Biol* 33: 221-30, 1972 (Eng)

CONTINUOUS FLOW ANALYZER

CHEMICAL AND CLINICAL EVALUATION OF THE CONTINUOUS-FLOW ANALYZER SMAC. Schwartz MK, Bethune VG, Fleisher M, Pennacchia G, Menendez-Botet CJ, Lehman D *Clin Chem* 20: 1062-70, Aug 74 (Eng)

CONTINUOUS FLOW APPARATUS

[USE OF ELECTRONIC COMPUTERS FOR QUALITY CONTROL OF SOME LABORATORY TESTS MADE WITH CONTINUOUS-FLOW APPARATUS] Rossi E *Quad Scavo Diagn* 9: 819-36, Sep 73 (Ita)

CONTROL MECHANISM

THEORY OF HORMONE-RECEPTOR INTERACTION. 3. THE ENDOCRINE TARGET CELL AS A QUANTAL RESPONSE UNIT: A GENERAL CONTROL MECHANISM. Rodbard D *Adv Exp Med Biol* 36: 342-64, 1973 (Eng)

CONVERTING ENZYME

THE ABILITY OF VARIOUS INSULINS AND INSULIN FRAGMENTS TO INHIBIT THE ANGIOTENSIN I CONVERTING ENZYME. Bing J, Poulsen K, Markussen J *Acta Pathol Microbiol Scand [A]* 82: 777-82, Nov 74 (Eng)

CONVULSION

HYPERGLYCEMIC RESPONSE IN CHILDREN WITH CONVULSIONS. Bajaj RT, Desai M *Indian Pediatr* 11: 719-22, Nov 74 (Eng)

COOPERATIVITY

BINDING OF INSULIN AND OTHER HORMONES TO NON-RECEPTOR MATERIALS: SATURABILITY, SPECIFICITY AND APPARENT NEGATIVE COOPERATIVITY. Cuatrecasas P, Hollenberg MD *Biochem Biophys Res Commun* 62: 31-41, 6 Jun 75 (Eng)

CORE

THE SEARCH FOR THE ACTIVE CORE OF PITUITARY GROWTH HORMONE. Kostyo JL *Metabolism* 23: 885-99, Sep 74 (Eng) [60]

CORONARY DISEASE

[THE RISK FACTORS OF CORONARY DISEASE] Di Matteo J, Fleury G *Rev Prat* 24: 5059-60, 5065-6, 5069-71, 7-11 Dec 74 (Fre)

CORONARY HEART DISEASE

LETTER: DIET AND CORONARY HEART-DISEASE. Thompson G *Lancet* 2: 102, 13 Jul 74 (Eng)

LETTER: DIETARY FAT AND CORONARY HEART DISEASE. Briggs MH *Med J Aust* 1: 970-1, 15 Jun 74 (Eng)

AORTIC VELOCITY AND ACCELERATION MEASUREMENTS IN THE ASSESSMENT OF CORONARY HEART DISEASE. Jewitt D, Gabe I, Mills C, Maurer B, Thomas M, Shillingford J *Eur J Cardiol* 1: 299-305, Mar 74 (Eng)

[INSULIN SECRETION IN PATIENTS WITH CORONARY HEART DISEASE (AUTHORS TRANSL.)] Schenk KE, Quabbe HJ, Bittner H, Sasse H, Schroder R *Klin Wochenschr* 52: 1053-9, 15 Nov 74 (Eng)

CORONARY OCCLUSION

THE EFFECT OF PENTAERYTHRITOL TETRANITRATE PRETREATMENT ON EXPERIMENTAL CORONARY OCCLUSION. Meester WD, Van Harn GL *Am Heart J* 88: 330-7, Sep 74 (Eng)

CORPUS CARDIACUM

SECRETION OF HYPERGLYCAEMIC HORMONE FROM THE CORPUS CARDIACUM OF FLYING BLOWFLIES, CALLIPHORA ERYTHROCEPHALA. Vejbjerg K, Normann TC *J Insect Physiol* 20: 1189-92, Jul 74 (Eng)

CORTICOSTERONE

EFFECTS OF INSULIN, TRIIODOTHYRONINE AND CORTICOSTERONE ON ORGAN CULTURES OF THE ADULT RAT CEREBELLUM. Kiernan JA *Acta Neuropathol (Berl)* 30: 25-31, 1974 (Eng)

CORTISOL

IS CORTISOL METABOLIZED AS IT DISASSOCIATES FROM GLUCOCORTICOID RECEPTORS IN THYMUS CELLS. Munck A, Brinck-Johnsen T *J Steroid Biochem* 5: 203-5, May 74 (Eng)

CORTISOL SECRETION

PATTERNS OF SPONTANEOUS CORTISOL AND GROWTH HORMONE SECRETION IN RHESUS MONKEYS DURING THE SLEEP-WAKING CYCLE. Jacoby JH, Sassin JF, Greenstein M, Weitzman ED *Neuroendocrinology* 14: 165-73, 74 (Eng)

CORTISONE DIABETES

[CORTISONE DIABETES AND DIABETES IN DERMATOLOGY AND LEPROSY] El Amile A *Maroc Med* 54: 294-303, May 74 (Fre)

COXSACKIE B VIRUS

THE DEVELOPMENT OF DIABETES FOLLOWING COXSACKIE B VIRUS INFECTION IN MICE. Coleman TJ, Taylor KW, Gamble DR *Diabetologia* 10: 755-9, Dec 74 (Eng)

CRANIOPHARYNGIOMA

EFFECTS OF SURGICAL TREATMENT ON HYPOTHALAMO-PITUITARY-

ADRENOCORTICAL FUNCTIONS IN PITUITARY CHROMOPHOBE ADENOMA AND CRANIOPHARYNGIOMA. Nishida S, Ando S, Kitamura K, Tomonaga M *Endocrinol Exp (Bratisl)* 8: 269-79, Dec 74 (Eng)

CREATININE

UREA AND CREATININE PRODUCTION AND EXCRETION IN URINE DURING AND AFTER PROLONGED HEAVY EXERCISE. Refsum HE, Stromme SB *Scand J Clin Lab Invest* 33: 247-54, May 74 (Eng)

CRISIS, DIABETIC

DIABETIC CRISES IN CHILDREN TREATED WITH SMALL DOSES OF INTRAMUSCULAR INSULIN. Moseley J *Br Med J* 1: 59-61, 11 Jan 75 (Eng)

CULTURE

[BIOSYNTHESIS OF GLYCOSYLTRANSFERASE BY ENDOMYCOPSIS FIBULIGERA IN SUBMERGED CULTURE] Veselov Ila, Georgieva SI, Gracheva IM, Sadov AI *Mikrobiologiya* 43: 395-9, 1974 (Rus)

USES OF PROLACTIN- AND GROWTH HORMONE-PRODUCING RAT PITUITARY TUMOR CELLS IN CULTURE. Hinkle PM *Lloydia* 37: 192-5, Jun 74 (Eng)

EFFECTS OF GLUCOSE ON THE ULTRASTRUCTURE AND INSULIN BIOSYNTHESIS OF ISOLATED MOUSE PANCREATIC ISLETS MAINTAINED IN TISSUE CULTURE. Andersson A, Westman J, Hellerstrom C *Diabetologia* 10: 743-53, Dec 74 (Eng)

EFFECT OF CHOLERA TOXIN ON INSULIN RELEASE IN MONOLAYER CULTURES OF THE ENDOCRINE PANCREAS. Wollheim CB, Blondel B, Sharp GW *Diabetologia* 10: 783-7, Dec 74 (Eng)

GROWTH CONTROL IN PRIMARY FETAL RAT LIVER CELLS IN CULTURE. Paul D, Walter S *J Cell Physiol* 85: 113-23, Feb 75 (Eng)

INFLUENCE OF INSULIN ON SENSITIVITY TO TETRODOTOXIN OF ISOLATED CHICK EMBRYO HEART CELLS IN CULTURE. Le Douarin G, Renaud JF, Renaud D, Coraboeuf E *J Mol Cell Cardiol* 6: 523-9, Dec 74 (Eng)

LONG-TERM EFFECTS OF GLUCOSE ON INSULIN RELEASE AND GLUCOSE OXIDATION BY MOUSE PANCREATIC ISLETS MAINTAINED IN TISSUE CULTURE. Andersson A *Biochem J* 140: 377-82, Jun 74 (Eng)

REGULATION OF FIBROBLAST GROWTH IN CULTURE. Armelin HA, Armelin MC *Biochem Biophys Res Commun* 62: 260-7, 20 Jun 75 (Eng)

CUSHINGS SYNDROME

SHORT STATURE AS THE ONLY CLINICAL SIGN OF CUSHINGS SYNDROME. Lee PA, Weldon VV, Migeon CJ *J Pediatr* 86: 89-91, Jan 75 (Eng)

CYCLIC AMP

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CYCLIC NUCLEOTIDE

CYCLIC NUCLEOTIDES AND SMOOTH MUSCLE. Bar HP *Adv Cyclic Nucleotide Res* 4: 195-237, 1974 (Eng) [153]

CYSTIC FIBROSIS

ENDOGENOUS AND EXOGENOUS INSULIN RESPONSES IN PATIENTS WITH CYSTIC

FIBROSIS. Wilmshurst EG, Soeldner JS, Holsclaw DS, Kaufmann RL, Shwachman H, Aoki TT, Gleason RE *Pediatrics* 55: 75-82, Jan 75 (Eng)

RECURRENT ACUTE PANCREATITIS IN PATIENTS WITH CYSTIC FIBROSIS WITH NORMAL PANCREATIC ENZYMES. Shwachman H, Lebenthal E, Khaw KT *Pediatrics* 55: 86-95, Jan 75 (Eng)

CYTOCHALASIN A

THE ACTION OF ANTIBIOTICS ON ENZYME SECRETION IN YEASTS: STUDIES WITH CYTOCHALASIN A. Kuo SC, Lampen JO *Ann NY Acad Sci* 235: 137-48, 10 May 74 (Eng)

CYTOTOXIC EFFECT

CYTOTOXIC EFFECTS OF STREPTOZOTOCIN AND N-NITROSOMETHYLEUREA ON THE PANCREATIC B CELLS WITH SPECIAL REGARD TO THE ROLE OF NICOTINAMIDE-ADENINE DINUCLEOTIDE. Gunnarsson R, Berne C, Hellerstrom C *Biochem J* 140: 487-94, Jun 74 (Eng)

DALE MEDAL 1974

PROCEEDINGS: THE DALE MEDAL 1974. Anonymous *J Endocrinol* 63: 1p-2p, Nov 74 (Eng)

DAUNOMYCIN

MODIFICATION OF SOME OF THE TOXIC EFFECTS OF DAUNOMYCIN (NSC-82,151) BY PRETREATMENT WITH THE ANTI-NEOPLASTIC AGENT ICRF 159 (NSC-129,943). Herman EH, Mhatre RM, Chadwich DP *Toxicol Appl Pharmacol* 27: 517-26, Mar 74 (Eng)

DAY CENTER

[A DAY CENTER FOR DIABETICS] King B, Spaulding WB, Wright AD *Infirm Can* 17: 28-32, Jan 75 (Fre)

DEATH

[MYOCARDIAL INFARCT AS A CAUSE OF DEATH IN DIABETICS TREATED AT A HOSPITAL DEPARTMENT FOR INTERNAL DISEASES] Szule EJ *Wiad Lek* 27: 205-7, 1 Feb 74 (Pol)

DECOMPENSATION

[ALDOSTERONE EXCRETION IN PATIENTS WITH DIABETES MELLITUS DEPENDING ON THE DEGREE OF DECOMPENSATION] Khasanov EN *Probl Endokrinol (Mosk)* 20: 7-10, Sep-Oct 74 (Rus)

DEGRADATION

[SPEED OF IRREVERSIBLE IN VIVO DEGRADATION OF FREE L-ISOLEUCINE. EFFECT OF GROWTH HORMONE] Wellers G, Chevan J *C R Acad Sci [D] (Paris)* 277: 2735-8, 17 Dec 74 (Fre)

DEHYDROGENASE DEFICIENCY

ERYTHROCYTE GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENCY IN DIABETES (MATURITY ONSET). Kher MM, Grover SD *J Assoc Physicians India* 22: 601-4, Aug 74 (Eng)

DEHYDROGENASE, GLUCOSE-6-PHOSPHATE

GLUCOKINASE AND GLUCOSE 6-PHOSPHATE DEHYDROGENASE IN NEISSERIA. Holten E *Acta Pathol Microbiol Scand [B]* 82: 201-6, Apr 74 (Eng)

ERYTHROCYTE GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENCY IN DIABETES (MATURITY ONSET). Kher MM, Grover SD *J Assoc Physicians India* 22: 601-4, Aug 74 (Eng)

DEHYDROGENASE, LACTATE

THE IDENTIFICATION OF INTERMEDIATES IN THE REACTION OF PIG HEART LACTATE DEHYDROGENASE WITH ITS SUBSTRATES. Whitaker JR, Yates DW, Bennett NG, Holbrook JJ, Gutfreund H *Biochem J* 139: 677-97, Jun 74 (Eng)

DEHYDROGENASE, PYRUVATE

REGULATION OF PYRUVATE-DEHYDROGENASE INTERCONVERSION IN RAT-LIVER MITOCHONDRIA AS RELATED TO THE PHOSPHORYLATION STATE OF INTRAMITOCHONDRIAL ADENINE NUCLEOTIDES. Wieland OH, Portenbauer R *Eur J Biochem* 45: 577-88, 15 Jun 74 (Eng)

DELIRIUM TREMENS

ENDOCRINE ALTERATIONS IN DELIRIUM TREMENS. Dobrzanski T *Q J Stud Alcohol* 35: 1205-11, Dec 74 (Eng)

DELIVERY

[PREVENTION OF THE RESPIRATORY DISTRESS SYNDROME IN THE NEWBORN BY STEROID THERAPY OF THE MOTHER BEFORE DELIVERY] Jmre H, Istvan F, Szabolet S, Karoly M *Orv Hetil* 116: 195-6, 26 Jun 75 (Hun)

2-DEOXY-D-GLUCOSE

CENTRAL HYPOTHERMIA BY 2-DEOXY-D-GLUCOSE: ANTAGONISM BY ALPHA-ADRENERGIC ACTIVATION. Muller EE, Cocchi D, Jallanb H, Udeschini G, Peruzzi G, Mantegazza P *Eur J Pharmacol* 26: 243-55, May 74 (Eng)

DEOXYRIBONUCLEIC ACID

AN IN VIVO INSULIN EFFECT ON HEPATOCYTE CHROMATIN DETERMINED BY DNA-RNA HYBRIDIZATION. Drake RL, Morgan CR *Biochem Biophys Res Commun* 62: 342-9, 20 Jun 75 (Eng)

DEPOT FAT

[BEHAVIOR OF THE FATTY ACID PATTERN OF TRIGLYCERIDES IN LIVER PARENCHYMA AND DEPOT FATS IN DIABETIC PATIENTS IN RELATION TO FATTY LIVER] Singer P, Gnauck G, Thelke H, Honigsmann G, Buntrock P, Kettler LH *Dtsch Z Verdau Stoffwechselkr* 34: 27-35, 1974 (Ger)

DERMATOLOGY

[CORTISONE DIABETES AND DIABETES IN DERMATOLOGY AND LEPROSY] El Amile A *Maroc Med* 54: 294-303, May 74 (Fre)

DEXTROSTIX

BLOOD GLUCOSE MEASUREMENT WITH DEXTROSTIX AND NEW REFLECTANCE METER. Schersten B, Kuhl C, Hollender A, Ekman R *Br Med J* 3: 384-7, 10 Aug 74 (Eng)

Diabetes Literature—Keyword Index

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DIABETES

[DIABETES AND PREGNANCY] Troch F *FNIB* 52: 11-25, Aug 74 (Dut)

EDITORIAL: TEACHING DIABETICS TO LIVE WITH THEIR DIABETES. Anonymous *Del Med* 147: 24, Jan 75 (Eng)

ENZYMES OF CARBOHYDRATE AND FAT METABOLISM IN ANTI-INSULIN SERUM DIABETES; INACTIVATION BY FREE FATTY ACIDS AND THE PROTECTIVE EFFECT OF CELLULAR PROTEIN. Shafrir E, Ruderman NB *Diabetologia* 10: 731-42, Dec 74 (Eng)

THE DEVELOPMENT OF DIABETES FOLLOWING COXSACKIE B VIRUS INFECTION IN MICE. Coleman TJ, Taylor KW, Gamble DR *Diabetologia* 10: 755-9, Dec 74 (Eng)

[HYDRAMNIOS AND GLUCOSE TOLERANCE: THE INCIDENCE OF HYDRAMNIOS IN 461 PREGNANT PATIENTS SUSPECTED OF DIABETES CORRELATED TO GLUCOSE TOLERANCE (AUTHORS TRANSL)] Engelhardt W *Geburtshilfe Frauenheilkd* 34: 851-6, Oct 74 (Ger)

DIABETES IN CHILDHOOD. Stimmler L *Guys Hosp Rep* 122: 17-23, 1973 (Eng)

EDITORIAL: THE CELL CYCLE, DIABETES, AND THE RETINA. Futterman S *Invest Ophthalmol* 14: 4-6, Jan 75 (Eng)

ERYTHROCYTE GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENCY IN DIABETES (MATURITY ONSET). Kher MM, Grover SD *J Assoc Physicians India* 22: 601-4, Aug 74 (Eng)

PROCEEDINGS: THE FREEZE-ETCHING APPROACH TO THE STUDY OF ISLET PATHOPHYSIOLOGY IN DIABETES. Orci L *J Clin Pathol* 27: 928, Nov 74 (Eng)

[ANTIBODIES AGAINST THERAPEUTIC ANIMAL INSULINS AND HOMOLOGOUS PROTEINS IN THE COURSE OF DIABETES IN CHILDREN AND ADOLESCENTS] Karczewska K *Med Dosw Mikrobiol* 26: 317-24, 1974 (Pol)

LETTER: SCREENING FOR DIABETES. Prout TE *Lancet* 1: 166-7, 18 Jan 75 (Eng)

WHATS NEW FOR DIABETES Burman KD *Med Times* 103: 123-4, 126, 128 *passim*, Jan 75 (Eng)

[LETTER: STEROID-INDUCED DIABETES] Charpin J, Aubert J, Pelleray F, Vague P *Nouv Presse Med* 3: 1960, 21 Sep 74 (Fre)

[TOWARDS A BETTER KNOWLEDGE OF THE ACTION MECHANISM OF THERMAL SODIUM BICARBONATE THERAPY AT VALS-LES-BAINS IN DIABETES] Alland A, Vague P *Sem Hop Ther* 50: 291-5, Apr 74 (Fre)

[INTESTINAL HORMONES IN DIABETES] Tsvetanov L *Vutr Boles* 13: 1-6, 1974 (Bul) [40]

[PEPTIC ULCER AND DIABETES] Grosse Von H *Zentralbl Chir* 99: 1239-42, 27 Sep 74 (Ger)

DIABETES, DITHIZONE INDUCED

[THE ROLE OF ZINC BLOCKADE IN THE PATHOGENESIS OF DITHIZONE-INDUCED DIABETES] Lazaris IuA, Meiravov GG *Probl Endokrinol (Mosk)* 20: 90-4, Sep-Oct 74 (Rus)

DIABETES, EXPERIMENTAL

[LIPOMOBILIZING FACTOR OF BLOOD IN THE PATHOGENESIS OF HYPERLIPIDEMIA IN EXPERIMENTAL DIABETES MELLITUS] Tishenina RS *Probl Endokrinol (Mosk)* 20: 95-9, Sep-Oct 74 (Rus)

DIABETES INSIPIDUS

[ADRENAL RESERVE IN DIABETES INSIPIDUS TREATED WITH CHLORPROPAMIDE] Mazanek E, Zalewski J, Kowalski S, Panek E, Starzewska H *Endokrynol Pol* 26: 17-20, Jan-Feb 75 (Pol)

LETTER: A TREATMENT FOR DIABETES INSIPIDUS. Johnston AL *NZ Med J* 80: 315, 9 Oct 74 (Eng)

DIABETES, INSULIN DEFICIENT

FACTORS INFLUENCING THE PROGNOSIS OF VASCULAR DISEASE IN INSULIN-DEFICIENT DIABETES OF LONG DURATION: A SEVEN-YEAR FOLLOW-UP. Martin FI, Warne GL *Metabolism* 24: 1-9, Jan 75 (Eng)

DIABETES, LIPOATROPHIC

A CASE OF LIPOATROPHIC DIABETES. Griffiths HJ, Rossini AA *Radiology* 114: 329-30, Feb 75 (Eng)

DIABETES, MANIFEST

IMMUNE INSULITIS AND MANIFEST DIABETES MELLITUS. STUDIES ON THE COURSE OF IMMUNE INSULITIS AND THE INDUCTION OF DIABETES MELLITUS IN RABBITS IMMUNIZED WITH INSULIN. Kloppel G, Altenahr E, Freytag G, Jansen FK *Virchows Arch [Pathol Anat]* 364: 333-46, 1974 (Eng)

DIABETES, MATERNAL

[CLINICAL PARAMETERS OF PLACENTAL EDEMA IN MATERNAL DIABETES MELLITUS] Emmrich P, Godel E, Amendt P *Zentralbl Gynaekol* 96: 1393-8, 1 Nov 74 (Ger)

DIABETES NURSE SPECIALIST

WHY NOT BECOMES A DIABETES NURSE SPECIALIST Anonymous *Nursing (Jenkintown)* 5: 85-7, Feb 75 (Eng)

DIABETES, PRIMARY

[INSULIN ANTIBODIES AND THE ACTUAL INSULIN REQUIREMENTS IN CHILDREN AND ADOLESCENTS WITH PRIMARY DIABETES] Karczewska K, Felus E, Panek G, Otto-Buczowska E, Dudziak Z *Med Dosw Mikrobiol* 26: 325-30, 1974 (Pol)

DIABETES SCREENING

DIABETES SCREENING WITH CORNEAL AESTHESIOMETER. Daubs JG *Am J Optom Physiol Opt* 52: 31-5, Jan 75 (Eng)

DIABETIC

DIABETIC CRISES IN CHILDREN TREATED WITH SMALL DOSES OF INTRAMUSCULAR INSULIN. Moseley J *Br Med J* 1: 59-61, 11 Jan 75 (Eng)

STUDIES ON WHOLE-BODY POTASSIUM IN NON-KETOACIDOTIC DIABETICS BEFORE AND AFTER TREATMENT. Walsh CH, Soler NG, James H, Fitzgerald MG, Malins JM *Br Med J* 4: 738-40, 28 Dec 74 (Eng)

[STUDY OF CATECHOLAMINE EXCRETION AFTER SINGLE ADMINISTRATION OF GLUCAGON IN DIABETICS (AUTHORS TRANSL)] Razus M, Balazovjech I, Kratochvilova H *Bratisl Lek Listy* 62: 701-10, Dec 74 (Slo)

[DIABETICS FROM A MEDICAL INSTITUTION AND A REGIONAL COLLECTIVE FROM THE VIEW POINT OF PATIENT PARTICIPATION

IN THE THERAPEUTIC REGIMEN] Dub O, Brozek I, Nykodym P, Kreze A *Cas Lek Cesk* 113: 1389-93, 7 Nov 74 (Cze)

INSULIN SECRETORY RESPONSE OF DIABETICS DURING THE PERIOD OF IMPROVEMENT OF GLUCOSE TOLERANCE TO NORMAL RANGE. Kosaka K, Hagura R, Kuzuya T, Kuzuya N *Diabetologia* 10: 775-82, Dec 74 (Eng)

[A DAY CENTER FOR DIABETICS] King B, Spaulding WB, Wright AD *Infirm Can* 17: 28-32, Jan 75 (Fre)

ARTERIOSCLEROTIC CHANGES WITHIN THE DIABETIC ORAL VASCULATURE. Keene JJ *J Dent Res* 54: 77-82, Jan-Feb 75 (Eng)

CEREBRAL METABOLIC EFFECTS OF GLYCEROL INFUSION IN DIABETICS WITH STROKE. Meyer JS, Shimazu K, Ouchi T, Okamoto S, Koto A, Fukuchi Y, Ericsson AD *J Neurol Sci* 21: 1-22, Jan 74 (Eng)

PHYSICIANS GUIDELINES FOR THE DIABETIC IN INDUSTRY. Alexander RW, Tetrick L, Friedman GJ *J Occup Med* 16: 802-3, Dec 74 (Eng)

[A CASE OF MULTIPLE RENAL PAPILLARY NECROSIS IN A DIABETIC] Viala JJ, Beaulieux J, Berard E *J Radiol Electrol Med Nucl* 55: 599-601, Aug-Sep 74 (Fre)

[QUANTITATION OF DIABETIC DISTURBANCES OF PLACENTAL MATURATION (AUTHORS TRANSL)] Emmrich P, Godel E, Muller G *Pathol Microbiol (Basel)* 41: 253-65, 1974 (Ger)

[VALUES OF MEAN ERYTHEMA-PRODUCING DOSES OF SOLAR RADIATION IN HEALTH-SUBJECTS AND DIABETICS] Ponikowska I, Marusik T, Tyczka S *Pol Tyg Lek* 30: 19-21, 6 Jan 75 (Pol)

[MYOCARDIAL INFARCT AS A CAUSE OF DEATH IN DIABETICS TREATED AT A HOSPITAL DEPARTMENT FOR INTERNAL DISEASES] Szulc EJ *Wiad Lek* 27: 205-7, 1 Feb 74 (Pol)

[ULTRASTRUCTURAL STUDY OF PHERIPHERAL NERVE IN 16 DIABETICS WITHOUT NEUROPATHY. COMPARISONS WITH 16 DIABETIC NEUROPATHIES AND 16 NON-DIABETIC NEUROPATHIES (AUTHORS TRANSL)] Vital C, Le Blanc M, Vallat JM, Cocquet M, Vallat M, Roques JC *Acta Neuropathol (Berl)* 30: 63-72, 1974 (Fre)

THE LYMPHOCYTIC INFILTRATES IN THE EAR-LOBE SKIN OF DIABETICS. Posinovec J *Arch Dermatol Forsch* 251: 117-22, 1974 (Eng)

DIABETIC, GESTATIONAL

CARBOHYDRATE METABOLISM IN PREGNANCY. XII. THE EFFECT OF ORAL GLUCOSE ON PLASMA CONCENTRATIONS OF HUMAN PLACENTAL LACTOGEN AND CHORIONIC GONADOTROPIN DURING LATE PREGNANCY IN NORMAL SUBJECTS AND GESTATIONAL DIABETICS. Surmaczynska BZ, Nitzan M, Metzger BE, Freinkel N *Isr J Med Sci* 10: 1481-6, Dec 74 (Eng)

DIABETIC, INDIAN

LETTER: ASYMPTOMATIC KIDNEY AND URINARY TRACT INFECTION IN INDIAN DIABETICS. Anonymous *J Assoc Physicians India* 22: 633-4, Aug 74 (Eng)

DIABETIC NEUROPATHY

DIABETIC NEUROPATHY IN INDIA. Chhattani PN, Chawla LS *Indian J Med Res* 62: 99-109, Jan 74 (Eng)

[ULTRASTRUCTURAL STUDY OF PHERIPHERAL NERVE IN 16 DIABETICS

Diabetes Literature—Keyword Index

DOUBLE ANTIBODY

WITHOUT NEUROPATHY. COMPARISONS WITH 16 DIABETIC NEUROPATHIES AND 16 NON-DIABETIC NEUROPATHIES (AUTHORS TRANSL.) Vital C, Le Blanc M, Vallat JM, Cocquet M, Vallat M, Roques JC *Acta Neuropathol (Berl)* 30: 63-72, 1974 (Fre)

DIABETIC PATIENT

LACTICACIDOSIS, KETOACIDOSIS, AND HYPERALANINAEMIA IN A PHENFORMIN-TREATED DIABETIC PATIENT. Ball S, Woods HF, Alberti KG *Br Med J* 4: 699-700, 21 Dec 74 (Eng)

[AUSTRALIA ANTIGEN (HBAG) IN MEDICAL PERSONEL AND DIABETIC PATIENTS (AUTHORS TRANSL.)] Meluzin F, Kubecova F, Spicka J, Slavik V *Cas Lek Cesk* 113: 1387-9, 7 Nov 74 (Cze)

[BEHAVIOR OF THE FATTY ACID PATTERN OF TRIGLYCERIDES IN LIVER PARENCHYMA AND DEPOT FATS IN DIABETIC PATIENTS IN RELATION TO FATTY LIVER.] Singer P, Gnauck G, Thoeke H, Honigsmann G, Buntrock P, Kettler LH *Disch Z Verdau Stoffwechselkr* 34: 27-35, 1974 (Ger)

MYELINATED FIBRES IN HUMAN PARAVERTEBRAL SYMPATHETIC CHAIN: WHITE RAMI COMMICANTES IN ALCOHOLIC AND DIABETIC PATIENTS. Appenzeller O, Ogin G *J Neurol Neurosurg Psychiatry* 37: 1155-61, Oct 74 (Eng)

EDITORIAL: ORTHOSTATIC HYPOTENSION IN DIABETIC PATIENTS. Vaisrub S *JAMA* 231: 847, 24 Feb 75 (Eng)

A FOLLOW-UP OF BLIND DIABETIC PATIENTS. Berkow JW, Patz A, Fine S *Ann Ophthalmol* 7: 79-82, Jan 75 (Eng)

DIACYLGLYCEROL

STEREOSPECIFICITY OF LIPASES. ENZYMIC HYDROLYSIS OF ENANTIOMERIC ALKYL DIACYLGLYCEROLS BY LIPOPROTEIN LIPASE, LINGUAL LIPASE AND PANCREATIC LIPASE. Paltauf F, Esfandi F, Holasek A *FEBS Lett* 40: 119-23, 15 Mar 74 (Eng)

DIAGNOSIS, EARLY

[EARLY DIAGNOSIS AND PREVENTION OF DIABETES MELLITUS] Atzenhofer K, Schnetz H *Med Welt* 26: 95-102, 17 Jan 75 (Ger) [35]

DIARRHEA

[WDHA (WATERY DIARRHEA, HYPOKALEMIA, A CHLORHYDRIA) SYNDROME] Saito R, Himeno S, Toei N *Jap J Clin Med* 32: 711-8, 10 Apr 74 (Jap) [38]

DIAZOXIDE

ORAL DIAZOXIDE IN UNCONTROLLED MALIGNANT HYPERTENSION. Fang P, MacDonald I, Laver M, Hua A, Kincaid-Smith P *Med J Aust* 2: 621-4, 26 Oct 74 (Eng)

THE STIMULUS-SECRETION COUPLING OF GLUCOSE-INDUCED INSULIN RELEASE. XVII. EFFECTS OF SULFONYLUREAS AND DIAZOXIDE ON INSULAR BIOSYNTHETIC ACTIVITY. Levy J, Malaisse WJ *Biochem Pharmacol* 24: 235-9, 15 Jan 75 (Eng)

DIBUTYRYL ADENOSINE-3,5-CYCLICMONOPHOSPHATE

ULTRASTRUCTURAL OBSERVATIONS OF ANTERIOR PITUITARY SOMATOTROPHS FOLLOWING PITUITARY PORTAL VESSEL INFUSION OF DIBUTYRYL CAMP. Wilbur DL,

Worthington WC Jr, Markwald RR *Am J Anat* 141: 139-45, Sep 74 (Eng)

DIET

[EFFECT OF LOW-CALORIE DIET ON LIPOLYTIC ENZYMES AND OTHER INDEXES AND PSYCHOLOGICAL BEHAVIOR OF CHILDREN WITH ORDINARY OBESITY] Szczepski O, Walczak M, Korman E, Socha J, Waligora A, Waligora Z *Endokrynol Pol* 25: 31-42, Jan-Feb 74 (Pol)

DIET AND ATHEROSCLEROSIS. Grande F S *Afr Med J* 48: 1660-8, 14 Aug 74 (Eng) [62]

LETTER: DIET AND CORONARY HEART-DISEASE. Thompson G *Lancet* 2: 102, 13 Jul 74 (Eng)

WHY BREAD IN THE DIET LOWERS SERUM CHOLESTEROL. Groen JJ *Proc Nutr Soc* 32: 159-67, Dec 73 (Eng)

AN EXCHANGE DIET FOR YOUR PATIENTS. Solomon N *Md State Med J* 23: 47-50, Jul 74 (Eng)

THE EFFECT OF A LOW-CALORIE DIET WITH AND WITHOUT FENFLURAMINE, AND FENFLURAMINE ALONE ON THE GLUCOSE TOLERANCE AND INSULIN SECRETION OF OVERWEIGHT NON-DIABETICS. Dykes JR *Postgrad Med J* 49: 314-7, May 73 (Eng)

THE EFFECT OF A LOW-CALORIE DIET WITH AND WITHOUT FENFLURAMINE ON THE GLUCOSE TOLERANCE AND INSULIN SECRETION OF OBESE MATURITY-ONSET DIABETICS. Dykes JR *Postgrad Med J* 49: 318-24, May 73 (Eng)

DIET EFFECT, HIGH CARBOHYDRATE

THE EFFECTS OF HIGH CARBOHYDRATE DIETS ON HYPERINSULINEMIC MONKEYS (MACACA MULATTA). Hamilton CL, Kuo PT, Feng L *J Med Primatol* 3: 276-84, 1974 (Eng)

DIETETICS

[IMPORTANCE OF DIETETIC FACTORS IN MIGRAINE] Hubbe P *Ugeskr Laeger* 136: 2863-8, 16 Dec 74 (Dan) [50]

DIFFERENTIAL CONDUCTIVITY

ASSAY OF GLUCOSE OXIDASE BY DIFFERENTIAL CONDUCTIVITY. Messing RA *Biotechnol Bioeng* 16: 525-9, Apr 74 (Eng)

DIFFUSION COEFFICIENT

[DIFFUSION COEFFICIENTS AND SUPPLY RADII OF CAPILLARIES OF THE O2- AND GLUCOSE METABOLISM IN THE DS-CARCINOSARCOMA (AUTHORS TRANSL.)] Rieger F *Arch Geschwulstforsch* 43: 52-5, 1974 (Ger)

DIGESTION

[DIGESTION, ABSORPTION AND DISTRIBUTION OF DIETARY LIPIDS] Ghirardi P, Marzo A *Recent Prog Med (Roma)* 53: 552-64, Dec 72 (Ita)

DIGITAL MEASUREMENT

A CENTRIFUGAL ANALYZER WITH A NEW ALL-DIGITAL MEASUREMENT SYSTEM. Avery J, Gregory RP 4th, Renoe BW, Woodruff T, Malmstadt HV *Clin Chem* 20: 942-49, Aug 74 (Eng)

L-3,4-DIHYDROXYPHENYLALANINE

[TESTS OF SOMATOTROPIN RESERVE IN OBESITY: RESPONSE OF GH TO STIMULATION WITH L-DOPA AND L-ARGININE] DAlessandro B, Bellastella A, Esposito V, Gasbarro R *Folia Endocrinol (Roma)* 27: 381-9, Aug 74 (Ita)

7,12-DIMETHYLBENZ(A)ANTHRACENE

PROLACTIN STIMULATION OF ESTROGEN RECEPTOR IN VITRO IN 7,12 DIMETHYLBENZ(A)ANTHRACENE-INDUCED MAMMARY TUMOR. Sasaki GH, Leung BS *Res Commun Chem Pathol Pharmacol* 8: 409-12, Jun 74 (Eng)

DISEASE

THE TECUMSEH STUDY OF RESPIRATORY ILLNESS. VIII. ACUTE INFECTION IN CHRONIC RESPIRATORY DISEASE AND COMPARISON GROUPS. Monto AS, Higgins MW, Ross HW *Am Rev Respir Dis* 111: 27-36, Jan 75 (Eng)

DISEASE, CHRONIC

THE MEMPHIS CHRONIC DISEASE PROGRAM. COMPARISONS IN OUTCOME AND THE NURSES EXTENDED ROLE. Runyan JW *Jr JAMA* 231: 264-7, 20 Jan 75 (Eng)

[REHABILITATION NURSING OF PATIENTS WITH CHRONIC DISEASES. BESIDE EDUCATION OF PATIENTS WITH DIABETES MELLITUS] Mitsunaga K *Jpn J Nurs Art* 20: 57-66, Oct 74 (Jpn)

DISULFIDE BOND

[TOTAL SYNTHESIS OF HUMAN INSULIN UNDER DIRECTED FORMATION OF THE DISULFIDE BONDS] Sieber P, Kamber B, Hartmann A, Johl A, Riniker B, Rittel W *Helv Chim Acta* 57: 2617-21, 1974 (Ger)

DITHIZONE

[THE ROLE OF ZINC BLOCKADE IN THE PATHOGENESIS OF DITHIZONE-INDUCED DIABETES] Lazaris IaA, Meiramov GG *Probl Endokrinol (Mosk)* 20: 90-4, Sep-Oct 74 (Rus)

DIURNAL VARIATION

SEX RELATED DIURNAL VARIATIONS IN VENOUS BLOOD GLUCOSE AND PLASMA INSULIN LEVELS. EFFECTS OF ESTROGENS IN MEN. Hauteceuvre M, Slama G, Assan R, Tchobroutsky G *Diabetologia* 10: 725-30, Dec 74 (Eng)

DOPAMINE BETA HYDROXYLASE

LETTER: DOPAMINE-BETA-HYDROXYLASE AND SYMPATHO-ADRENAL ACTIVITY. Goodwin PM, Harrop J, Marks V *Lancet* 1: 170-1, 18 Jan 75 (Eng)

DOPAMINERGIC NERVOUS SYSTEM

MECHANISMS OF HYPERGLYCEMIC RESPONSE TO CHLORPROMAZINE ADMINISTERED INTO LATERAL VENTRICLE IN RATS. I. POSSIBLE ROLE OF DOPAMINERGIC NERVOUS SYSTEM. Fujimori K, Iwamoto T *Neuropharmacology* 13: 245-54, Apr 74 (Eng)

DOUBLE ANTIBODY

[COMPARATIVE STUDY OF 2 METHODS OF PLASMA INSULIN RADIOIMMUNOASSAY. DOUBLE ANTIBODY AND SOLID PHASE

Diabetes Literature—Keyword Index

DRUG INTERACTION

[METHODS] Orsetti A, Collard F *Pathol Biol (Paris)* 22: 771-3, Nov 74 (Fre)

DRUG INTERACTION

PHARMACOKINETIC MECHANISMS OF DRUG INTERACTIONS. Robinson DS *Can Med Assoc J* 112: 55-62, 8 Feb 75 (Eng)

DRUG REACTION, ADVERSE

NEW ZEALAND COMMITTEE ON ADVERSE DRUG REACTIONS: NINTH ANNUAL REPORT 1974. McQueen EG *NZ Med J* 80: 305-11, 9 Oct 74 (Eng)

DRY SOCKET

DRY SOCKET AND DYSGLYCEMIA. Ringsdorf WM Jr, Cheraskin E *J Dent Res* 54: 184, Jan-Feb 75 (Eng)

DUODENAL WALL

[EFFECT OF GLUCAGON ON THE MUSCUL TONE OF THE DUODENAL WALL. RADIOLOGICAL USEFULNESS] Silvan Delgado M, Juanco Pedregal C, Gonzalez Tutor A, Fernandez Echevarria MA *Rev Esp Enferm Apar Dig* 44: 797-810, 15 Dec 74 (Spa)

DYE TEST

NITROBLUE TETRAZOLIUM (NBT)-DYE TEST AND THE MYELOPEROXIDASE REACTION OF HUMAN LEUKOCYTES. Okuda K, Tadokoro I, Noguchi Y *Jpn J Microbiol* 18: 337-42, Sep 74 (Eng)

DYSGLYCEMIA

DRY SOCKET AND DYSGLYCEMIA. Ringsdorf WM Jr, Cheraskin E *J Dent Res* 54: 184, Jan-Feb 75 (Eng)

EARLY DIABETES

A METHOD FOR THE EPIDEMIOLOGIC STUDY OF EARLY DIABETES. Rand CG, Jackson RJ, Mackie CC *Can Med Assoc J* 111: 1312-4, 21 Dec 74 (Eng)

EDEMA

[CLINICAL PARAMETERS OF PLACENTAL EDEMA IN MATERNAL DIABETES MELLITUS] Emmrich P, Godel E, Amendt P *Zentralbl Gynaekol* 96: 1393-8, 1 Nov 74 (Ger)

ELDERLY

MULTIPHASIC SCREENING PROGRAMME FOR SOMATIC DISEASES AMONG ELDERLY LONG-TERM PSYCHIATRIC PATIENTS. Gjesdal K, Stromme JH *Br J Psychiatry* 124: 564-72, Jun 74 (Eng)

ELECTRIC FIELD EFFECT

CARBON-13 FOURIER TRANSFORM NUCLEAR MAGNETIC RESONANCE. 8. ROLE OF STERIC AND ELECTRIC FIELD EFFECTS IN FATTY ACID SPECTRA. Batchelor JG, Cushley RJ, Prestegard JH *J Org Chem* 39: 1698-1705, 14 Jun 74 (Eng)

ELECTRICAL PROPERTY

SOME OBSERVATIONS ON THE ELECTRICAL PROPERTIES OF BIOLOGICAL MEMBRANES. Spyropoulos CS *Membranes* 1: 267-317, 1972 (Eng) [43]

ELECTRICAL STIMULATION

ACTIVATION OF HEXOSE MONOPHOSPHATE PATHWAY IN BRAIN BY ELECTRICAL STIMULATION IN VITRO. Kimura H, Naito K, Nakagawa K, Kuriyama K *J Neurochem* 23: 79-84, Jul 74 (Eng)

ELECTROCARDIOGRAM

[CLINICAL EVALUATION OF THE ECG CHANGES IN DIABETES MELLITUS] Slavina LS, Mazovetskii AG, Okeanova TA *Probl Endokrinol (Mosk)* 20: 13-6, Sep-Oct 74 (Rus)

ELECTROLYTE

POSTMORTEM CHEMISTRIES ON BLOOD WITH PARTICULAR REFERENCE TO UREA NITROGEN, ELECTROLYTES, AND BILIRUBIN. Coe JI *J Forensic Sci* 19: 33-42, Jun 74 (Eng)

ELECTRO-MANOMETRIC REGISTRATION

[QUANTITATIVE STUDIES OF THE EFFECT OF PANCREATIC GLUCAGON AND SECRETIN ON GASTROINTESTINAL MOTILITY IN MAN RECORDED BY SIMULTANEOUS ELECTRO-MANOMETRIC REGISTRATION (AUTHORS TRANSL)] Paul F *Klin Wochenschr* 52: 983-9, 15 Oct 74 (Ger)

ELECTRON MICROSCOPE

ELECTRON MICROSCOPE STUDIES ON THE GRANULE RELEASE FROM THE RAT PANCREATIC B-CELLS IN ORGAN CULTURE. Fukuma M *J Electron Microsc* (Tokyo) 23: 167-83, 1974 (Eng)

ELECTRON TRANSPORT

ELECTRON TRANSPORT PHOSPHORYLATION. Baltscheffsky H, Baltscheffsky M *Annu Rev Biochem* 43: 871-97, 1974 (Eng) [200]

ELECTROPHORETIC ANALYSIS

ELECTROPHORETIC ANALYSIS OF POLYPEPTIDES OF PLASMA MEMBRANES FROM BOVINE PITUITARY GLAND. Lemay A, Labrie F *Can J Biochem* 52: 620-30, Jul 74 (Eng)

EMBRYONIC DEVELOPMENT

TERATOGENIC EFFECTS OF ENVIRONMENTAL AGENTS ON EMBRYONIC DEVELOPMENT. Nanda R *Dent Clin North Am* 19: 181-9, Jan 75 (Eng)

ENANTIOMERIC ALKYL DIACYLGLYCEROL

STEREOSPECIFICITY OF LIPASES. ENZYMIC HYDROLYSIS OF ENANTIOMERIC ALKYL DIACYLGLYCEROLS BY LIPOPROTEIN LIPASE, LINGUAL LIPASE AND PANCREATIC LIPASE. Paltauf F, Esfandi F, Holasek A *FEBS Lett* 40: 119-23, 15 Mar 74 (Eng)

ENDOCRINE

THEORY OF HORMONE-RECEPTOR INTERACTION. 3. THE ENDOCRINE TARGET CELL AS A QUANTAL RESPONSE UNIT: A GENERAL CONTROL MECHANISM. Rodbard D *Adv Exp Med Biol* 36: 342-64, 1973 (Eng)

IMMUNOFLUORESCENCE, HISTOCHEMICAL AND ULTRASTRUCTURAL STUDIES FOR

THE DETECTION OF MULTIPLE ENDOCRINE POLYPEPTIDE TUMOURS OF THE PANCREAS. Bordin C, Bussolati G *Virchows Arch [Zellpathol]* 17: 13-27, 1974 (Eng)

ENDOCRINE ALTERATION

ENDOCRINE ALTERATIONS IN DELIRIUM TREMENS. Dobrzanski T *Q J Stud Alcohol* 35: 1205-11, Dec 74 (Eng)

ENDOCRINE GLAND

[ENDOCRINE GLAND CHANGES IN A PATIENT WITH MORGAGNI-STEWART-MOREL SYNDROME] Koev D, Maleva E, Koeva L *Vutr Boles* 13: 125-9, 1974 (Bul)

ENDOGENOUS HYPERLIPIDEMIA, ACQUIRED

DECREASED GLUCAGON ACTIVITY: A MECHANISM FOR GENETIC AND ACQUIRED ENDOGENOUS HYPERLIPIDEMIA. Eaton RP, Schade DS, Conway M *Lancet* 2: 1545-7, 28 Dec 74 (Eng)

ENDOMYCOPSIS FIBULIGERA

[BIOSYNTHESIS OF GLYCOSYLTRANSFERASE BY ENDOMYCOPSIS FIBULIGERA IN SUBMERGED CULTURE] Veselov Ila, Georgieva SI, Gracheva IM, Sadov AI *Mikrobiologiya* 43: 395-9, 1974 (Rus)

ENDOTOXIC SHOCK

MYOCARDIAL METABOLISM DURING ACUTE HEMORRHAGIC OR ENDOTOXIC SHOCK. Spitzer JJ, Spitzer JA, Weng JT, Scott JC *Adv Exp Med Biol* 23: 267-73, Oct 71 (Eng)

MYOCARDIAL METABOLISM DURING ENDOTOXIC SHOCK. Scott JC, Weng JT, Spitzer JJ *Adv Exp Med Biol* 33: 375-86, 1972 (Eng)

ENDOTOXIN

INFLUENCE OF ENDOTOXIN ON ADIPOSE TISSUE METABOLISM. Spitzer JA, Kovach AG, Rosell S, Sandor P, Spitzer JJ, Storek R *Adv Exp Med Biol* 33: 337-44, 1972 (Eng)

ENERGETIC BALANCE

[CONCEPT OF PLATELET RELEASE REACTION. I. INDUCTORS, INHIBITORS AND ENERGETIC BALANCE. (COMPREHENSIVE REVIEW)] Kubisz P *Vnitr Lek* 20: 782-90, Sep 74 (Slo)

ENERGY BARRIER

THE ENERGY BARRIERS TO ION TRANSPORT BY NONACTIN ACROSS THIN LIPID MEMBRANES. Hladky SB *Biochim Biophys Acta* 352: 71-85, 30 May 74 (Eng)

ENERGY COUPLING

MECHANISMS OF ENERGY COUPLING TO THE TRANSPORT OF AMINO ACIDS BY STAPHYLOCOCCUS AUREUS. Niven DF, Hamilton WA *Eur J Biochem* 44: 517-22, 15 May 74 (Eng)

ENERGY REQUIREMENT

THE ENERGY REQUIREMENTS OF OBESITY. Bradham GB *South Med J* 67: 967-9, Aug 74 (Eng)

ESCHERICHIA COLI K 12

ENERGY SOURCE

ENERGY SOURCES OF CARDIAC CONTRACTION. Chapman JB *Adv Cardiol* 12: 128-38, 1974 (Eng)

ENERGY YIELDING SUBSTRATE

HEART RATE AND ENERGY-YIELDING SUBSTRATES IN BLOOD DURING LONG-LASTING RUNNING. Keul J, Haralambie G, Arnold T, Schumann W *Eur J Appl Physiol* 32: 279-89, 1974 (Eng)

ENVIRONMENTAL AGENT

TERATOGENIC EFFECTS OF ENVIRONMENTAL AGENTS ON EMBRYONIC DEVELOPMENT. Nanda R *Dent Clin North Am* 19: 181-9, Jan 75 (Eng)

ENZYMATIC TRANSFER

DEMONSTRATION OF AN ENZYMATIC TRANSFER REACTION BETWEEN BETA-METHYL-CROTONYL-COENZYME A AND L-CARNITINE. Alkonyi I, Sandor A *Acta Biochim Biophys Acad Sci Hung* 7: 149-50, 1972 (Eng)

ENZYME

[STUDY OF SUGARS AND CARBOHYDRATE METABOLISM ENZYMES IN RHIZOBIUM LUPINI IN SYMBIOSIS] Petrova AN, Chermenskaia IE, Kretovich VL *Dokl Akad Nauk SSSR* 217: 479-80, 11 Jul 74 (Rus)

A ROLE OF THE CARBOHYDRATE MOIETY OF GLUCOSE OXIDASE: KINETIC EVIDENCE FOR PROTECTION OF THE ENZYME FROM THERMAL INACTIVATION IN THE PRESENCE OF SODIUM DODECYL SULFATE. Nakamura S, Hayashi S *FEBS Lett* 41: 327-30, 1 May 74 (Eng)

ANOMERIC SPECIFICITY OF ENZYMES OF D-GLUCOSE METABOLISM. Wurster B, Hess B *FEBS Lett* 40: suppl0s112-8, 23 Mar 74 (Eng) [69]

ENZYME EFFECTOR

QUANTUM CHEMICAL STUDY OF GLUCOSE, G-1-P AND G-6-P MOLECULES AS THE EFFECTORS OF AN ENZYME. Gaspar R Jr *Acta Biochim Biophys Acad Sci Hung* 7: 275-84, 1972 (Eng)

ENZYME, FAT METABOLISM

ENZYMES OF CARBOHYDRATE AND FAT METABOLISM IN ANTI-INSULIN SERUM DIABETES: INACTIVATION BY FREE FATTY ACIDS AND THE PROTECTIVE EFFECT OF CELLULAR PROTEIN. Shafir E, Ruderman NB *Diabetologia* 10: 731-42, Dec 74 (Eng)

ENZYME INDUCED MODIFICATION

ENZYME-INDUCED MODIFICATIONS OF BETA CELL FUNCTION. I. EFFECT OF PRONASE ON INSULIN SECRETION. Lambert AE, Henquin JC, Orci L, Renold AE *Eur J Clin Invest* 4: 459-68, 5 Dec 74 (Eng)

ENZYME, YEAST

THE ACTION OF ANTIBIOTICS ON ENZYME SECRETION IN YEASTS: STUDIES WITH CYTOCHALASIN A. Kuo SC, Lampen JO *Ann NY Acad Sci* 235: 137-48, 10 May 74 (Eng)

ENZYMIC HYDROLYSIS

STEREOSPECIFICITY OF LIPASES. ENZYMIC HYDROLYSIS OF ENANTIOMERIC ALKYL DIACYLGLYCEROLS BY LIPOPROTEIN LIPASE, LINGUAL LIPASE AND PANCREATIC LIPASE. Paltuuf F, Esfandi F, Holasek A *FEBS Lett* 40: 119-23, 15 Mar 74 (Eng)

EPIDEMIOLOGIC STUDY

A METHOD FOR THE EPIDEMIOLOGIC STUDY OF EARLY DIABETES. Rand CG, Jackson RJ, Mackie CC *Can Med Assoc J* 111: 1312-4, 21 Dec 74 (Eng)

EPIDEMIOLOGICAL STUDY

PROCEEDINGS: VIRAL AND EPIDEMIOLOGICAL STUDIES. Gamble DR *J Clin Pathol* 27: 929, Nov 74 (Eng)

EPIDEMIOLOGY

EPIDEMIOLOGY OF DIABETES MELLITUS. Beaven DW, Arcus AC, Bell JP, Smith JR *NZ Med J* 80: 291-9, 9 Oct 74 (Eng)

EPIMERIZATION

[STUDIES ON TRANSFORMATIONS OF CARBOHYDRATES. II. EPIMERIZATION AND DEGRADATION OF GLUCOSE IN DILUTED STRONG ALKALINE SOLUTION. (I) (AUTHORS TRANSL)] Koizumi K, Hashimoto K, Mitarai M, Sawada C *J Pharm Soc Jap* 94: 232-7, Feb 74 (Jap)

EPINEPHRINE

LIPOLYSIS RELATION OF THE ADIPOSE TISSUE MASS IN OBESE INDIVIDUALS. ITS MODIFICATION BY EPINEPHRINE. Portugal-Alvarez J, Perezagua-Clamagiran C, Velasco-Martin A *Pol J Pharmacol Pharm* 26: 325-8, May-Jun 74 (Eng)

MECHANISMS OF HYPERGLYCEMIC RESPONSE TO CHLORPROMAZINE ADMINISTERED INTO LATERAL VENTRICLE IN RATS. II. SECRETION OF EPINEPHRINE FROM ADRENAL MEDULLA. Fujimori K, Iwamoto T *Neuropharmacology* 13: 255-60, Apr 74 (Eng)

EPINEPHRINE EFFECT

THE EFFECT OF EPINEPHRINE ON THYROID HORMONE SYNTHESIS IN THE RAT. Joosoo A, Murray IP *Acta Endocrinol (Kbh)* 77: 43-52, Sep 74 (Eng)

EPINEPHRINE INFUSION

DEGREE OF ACETONAEMIA FOLLOWING EPINEPHRINE INFUSION TO DETERMINE BIOCHEMICAL CHARACTERIZATION OF DIABETES MELLITUS. Malik TK, Kumar V, Ahuja MM *Indian J Med Res* 62: 80-5, Jan 74 (Eng)

ERYTHEMA PRODUCING DOSE

[VALUES OF MEAN ERYTHEMA-PRODUCING DOSES OF SOLAR RADIATION IN HEALTH-SUBJECTS AND DIABETICS] Ponikowska I, Marusik T, Tyczka S *Pol Tyg Lek* 30: 19-21, 6 Jan 75 (Pol)

ERYTHROCYTE

[EFFECT OF THE INHIBITOR OF GLUCOSE UTILIZATION, ISOLATED FROM SERUM OF PATIENTS IN UREMIA, UPON MORPHO-

GY AND MEMBRANE PERMEABILITY OF ERYTHROCYTES (AUTHORS TRANSL)] Gajdos M, Dzurik R *Bratisl Lek Listy* 62: 29-34, 1974 (Slo)

COMPARATIVE STUDY OF ERYTHROCYTE GLYCOLYTIC ENZYMES IN MAN AND IN TWO SPECIES OF LAGOMORPHAE. (OCHOTONA RUFESCENS RUFESCENS AND ORYCTOLAGUS CUNICULUS). Puget A, Vergnes H, Gouarderes C *Can J Comp Med* 38: 314-20, Jul 74 (Eng)

GLYCOGEN METABOLISM IN GLYCOGEN-RICH ERYTHROCYTES. Moses SW, Bushan N, Gutman A, Ockerman PA *Blood* 44: 275-84, Aug 74 (Eng)

MECHANISM OF STIMULATION OF THE HEXOSE MONOPHOSPHATE SHUNT OF ERYTHROCYTES BY PYRUVATE. Beutler E, Guinto E *Enzyme* 18: 7-18, 1974 (Eng)

METABOLIC STUDIES ON THE ERYTHROCYTE FROM PATIENTS WITH CHRONIC RENAL DISEASE ON HAEMODIALYSIS. II. ATP METABOLISM. Wallas CH *Br J Haematol* 27: 145-52, May 74 (Eng)

ERYTHROCYTE GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENCY IN DIABETES (MATURITY ONSET). Kher MM, Grover SD *J Assoc Physicians India* 22: 601-4, Aug 74 (Eng)

ERYTHROCYTE, AVIAN

ACCELERATION OF SUGAR TRANSPORT IN AVIAN ERYTHROCYTES BY CATECHOLAMINES. Whitfield CF, Rannels SR, Morgan HE *J Biol Chem* 249: 4181-8, 10 Jul 74 (Eng)

ERYTHROCYTE DISORDER

[MECHANISM OF THE DISORDER IN ERYTHROCYTE REGENERATION IN DEFICIENT INSULIN FORMATION] Vinichenko NS *Fiziol Zh* 20: 550-3, Jul-Aug 74 (Ukr)

ERYTHROCYTE, HUMAN

RECOMBINATION OF HUMAN ERYTHROCYTE APOPROTEIN AND LIPID. II. VISUALIZATION OF APOPROTEIN-LIPID BILAYER COMPLEX BY FREEZE-ETCHING. Wehrli E, Mörse PD *J Supramol Struct* 2: 71-8, 1974 (Eng)

ERYTHROCYTE MEMBRANE, HUMAN

ASSOCIATION OF GLYCOPROTEINS WITH THE MEMBRANES. II. ISOLATION AND PARTIAL CHARACTERIZATION OF LIPOPHILIC FRAGMENT FROM HUMAN ERYTHROCYTE MEMBRANE GLYCOPROTEIN. Javadi JI, Winzler RJ *Biochemistry* 13: 3639-42, 27 Aug 74 (Eng)

ESCHERICHIA COLI

CYCLIC GUANOSINE 3:5-MONOPHOSPHATE IN ESCHERICHIA COLI AND BACILLUS LICHENIFORMIS. Bernlohr RW, Haddox MK, Goldberg ND *J Biol Chem* 249: 4329-31, 10 Jul 74 (Eng)

METHIONINE TRANSPORT IN ESCHERICHIA COLI: PHYSIOLOGICAL AND GENETIC EVIDENCE FOR TWO UPTAKE SYSTEMS. Kadner RJ, Watson WJ *J Bacteriol* 119: 401-9, Aug 74 (Eng)

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[MUTANTS FOR THE HEXURONATE TRANSPORT SYSTEM IN ESCHERICHIA COLI K 12: PHYSIOLOGICAL AND GENETIC ANALY-

Diabetes Literature—Keyword Index

ESOPHAGUS

SIS] Nemoz G, Robert-Baudouy J, Stoebner F C R Acad Sci [D] (Paris) 278: 675-8, 28 Jan 74 (Fre)

ESOPHAGUS

NEUROPATHOLOGY OF THE OESOPHAGUS IN DIABETES MELLITUS. Smith B J Neurol Neurosurg Psychiatry 37: 1151-4, Oct 74 (Eng)

ESTRADIOL EFFECT

EFFECT OF ESTRADIOL ON LIPOLYSIS AND ADENOSINE 3,5-MONOPHOSPHATE ACCUMULATION IN ISOLATED RAT ADIPOCYTES. Mitznegg P, Estler CJ, Schubert E Biochem Pharmacol 23: 2337-9, 15 Aug 74 (Eng)

ESTRIOL

ESTRIOL IN PREGNANCY. Ostergard DR Obstet Gynecol Surv 28: 215-31, Apr 73 (Eng) [201]

ESTROGEN

CURRENT STATUS OF ESTROGEN ASSAYS IN OBSTETRICS AND GYNECOLOGY. 2: ESTROGEN ASSAYS IN LATE PREGNANCY. Beischer NA, Brown JB Obstet Gynecol Surv 27: 303-43, May 72 (Eng) [103]

METABOLIC EFFECT OF CONJUGATED OESTROGENS (USP) ON GLUCOSE TOLERANCE. Notelovitz M S Afr Med J 48: 2599-603, 21 Dec 74 (Eng)

ESTROGEN EFFECT

SEX RELATED DIURNAL VARIATIONS IN VENOUS BLOOD GLUCOSE AND PLASMA INSULIN LEVELS. EFFECTS OF ESTROGENS IN MEN. Hauteceuvre M, Slama G, Assan R, Tchobroutsky G Diabetologia 10: 725-30, Dec 74 (Eng)

ESTROGEN RECEPTOR

[REGULATION OF ESTROGEN RECEPTORS IN MAMMARY TUMORS: ACTION OF PROLACTIN IN VIVO] Vignon F, Rochefort H C R Acad Sci [D] (Paris) 278: 103-6, Jan 74 (Fre)

PROLACTIN STIMULATION OF ESTROGEN RECEPTOR IN VITRO IN 7,12 DIMETHYLBENZ(A)ANTHRACENE-INDUCED MAMMARY TUMOR. Sasaki GH, Leung BS Res Commun Chem Pathol Pharmacol 8: 409-12, Jun 74 (Eng)

ESTROUS CYCLE

CARBOHYDRATE METABOLISM IN RAT UTERUS DURING THE OESTROUS CYCLE. Greenstreet R, Fotherby K Steroids Lipids Res 4: 341-50, 1973 (Eng)

ETHER ANESTHESIA

INFLUENCE OF ETHER ANAESTHESIA ON SUXAMETHONIUM-INDUCED HYPERKALAEMIA. Magbagheola JA, Adadevoh BK, Durwoju JE Anaesthesia 29: 429-34, Jul 74 (Eng)

EXCHANGE TRANSFUSION

METABOLIC AND HORMONAL CHANGES DURING AND AFTER EXCHANGE TRANSFUSION WITH HEPARINIZED OR AC BLOOD. Cser A Arch Dis Child 49: 940-5, Dec 74 (Eng)

EXCRETION

UREA AND CREATININE PRODUCTION AND EXCRETION IN URINE DURING AND AFTER PROLONGED HEAVY EXERCISE. Refsum HE, Stromme SB Scand J Clin Lab Invest 33: 247-54, May 74 (Eng)

EXERCISE

THE METABOLIC RESPONSE TO EXERCISE AND EXHAUSTION IN NORMAL AND GROWTH-HORMONE-DEFICIENT CHILDREN. Winter JS Can J Physiol Pharmacol 52: 575-82, Jun 74 (Eng)

UREA AND CREATININE PRODUCTION AND EXCRETION IN URINE DURING AND AFTER PROLONGED HEAVY EXERCISE. Refsum HE, Stromme SB Scand J Clin Lab Invest 33: 247-54, May 74 (Eng)

ALTERATION OF METABOLIC AND HORMONAL RESPONSES TO EXERCISE BY PHYSICAL TRAINING. Rennie MJ, Johnson RH Eur J Appl Physiol 33: 215-26, 1974 (Eng)

EXERCISE EFFECT

EFFECT OF EXERCISE ON LEVELS OF PLASMA GROWTH HORMONE, FREE FATTY ACIDS, AND GLUCOSE IN THE PIGEON. McKeown BA, John TM, George JC Arch Int Physiol Biochim 82: 55-62, Feb 74 (Eng)

EXOCRINE FUNCTION

[EXOCRINE FUNCTION OF THE PANCREAS IN DIABETES MELLITUS] Kosenko NP Vrach Delo 42-5, Dec 74 (Rus)

EXPERIMENTAL MODEL

[ACUTE DIABETIC SYNDROME INDUCED IN RATS BY ANTI-INSULIN SERUM AS AN EXPERIMENTAL MODEL FOR THE STUDY OF SOME ANTIDIABETIC EFFECTS] Andreev D, Strashimirov S, Ditsov GD Eksp Med Morfol 13: 95-101, 1974 (Bul)

EXTRUSION

MODEL FOR EXTRUSION OF INSULIN BETA GRANULES. Lazarus NR, Davis B Lancet 1: 143-4, 18 Jan 75 (Eng)

FACIAL PARALYSIS

IDIOPATHIC FACIAL PARALYSIS (BELLS PALSY): FACTORS AFFECTING SEVERITY AND OUTCOME IN 446 PATIENTS. Adour KK, Wingerd J Neurology (Minneapolis) 24: 1112-6, Dec 74 (Eng)

FACTORY ACCIDENT

FACTORY ACCIDENTS AND CARBOHYDRATE SUPPLEMENTS. Brooke JD, Toogood S Proc Nutr Soc 32: 94a-95a, Dec 73 (Eng)

FAHRS SYNDROME, FAMILIAL

[FAMILIAL OCCURRENCE OF FAHRS SYNDROME] Pernhaupt G, Tschabitscher H, Wessely P Nervenarzt 45: 647-53, Dec 74 (Ger)

FAMILY HISTORY

[SOMATOTROPIN AND NONESTERIFIED FATTY ACID CONTENT DURING THE STANDARD GLUCOSE TOLERANCE TEST IN CHILDREN AND ADOLESCENTS FROM FAMILIES WITH THE HISTORY OF DIABETES MELLITUS] Stulii LA, Balabolkin MI, Rozhnov AA, Kasatkina IN, Smirnova LK Probl Endokrinol (Mosk) 20: 3-7, Sep-Oct 74 (Rus)

FASTING

GLUCOSE UTILIZATION BY SWEAT GLANDS DURING FASTING IN MAN. Benson JW Jr,

Buja ML, Thompson RH, Gordon RS Jr J Invest Dermatol 63: 287-91, Sep 74 (Eng)

THE EFFECT OF ACUTE FASTING ON SLEEP AND THE SLEEP-GROWTH HORMONE RESPONSE. Karacan I, Rosenbloom AL, Londono JH, Salis PJ, Thornby JI, Williams RL Psychosomatics 14: 33-7, Jan-Feb 73 (Eng)

FAT

[STUDIES ON THE GLYCERIDE STRUCTURE OF FATS. 6. STUDIES WITH SYNTHETIC TRIGLYCERIDES ON THE FATTY ACIDS SPECIFICITY OF LIPISE OF GEOTRICHUM CANDIDUM] Franzke C, Kroll J, Petzold R Nahrung 17: 171-84, 1973 (Ger)

CURRENT STUDIES ON RELATION OF FAT TO HEALTH. Kummerow FA J Am Oil Chem Soc 51: 255-9, Jun 74 (Eng)

FAT ABSORPTION

EFFECT OF INTRAVENOUSLY ADMINISTERED GLUCOSE ON GLUCAGON AND INSULIN SECRETION DURING FAT ABSORPTION. Dobbs R, Faloona GR, Unger RH Metabolism 24: 69-75, Jan 75 (Eng)

FAT BODY

ACYLATION OF MONOGLYCERIDES BY LOCUST FAT-BODY MICROSOMES. Peled Y, Tietz A FEBS Lett 41: 65-8, 15 Apr 74 (Eng)

FAT CELL, EPIDIDYMAL

EFFECT OF WEIGHT REDUCTION IN THE RAT ON EPIDIDYMAL FAT-CELL SIZE AND RELATIVE DISPERSION. Smith JE, DiGirolamo M Am J Physiol 227: 420-4, Aug 74 (Eng)

FAT CELL, RAT

THE INFLUENCE OF BODY WEIGHT AND CELL SIZE ON LIPOGENESIS AND LIPOLYSIS OF ISOLATED RAT FAT CELLS. Hansen FM, Nielsen JH, Gliemann J Eur J Clin Invest 4: 411-8, 5 Dec 74 (Eng)

FAT, DIETARY

LETTER: DIETARY FAT AND CORONARY HEART DISEASE. Briggs MH Med J Aust 1: 970-1, 15 Jun 74 (Eng)

FAT MALABSORPTION

[LIPOATROPHIC DIABETES WITH FAT MALABSORPTION (AUTHORS TRANSL)] Imawari M, Takeuchi A, Yamaji T, Kitamura T, Akanuma Y J Jpn Soc Intern Med 63: 656-62, 10 Jul 74 (Jpn)

FAT METABOLISM

ENZYMES OF CARBOHYDRATE AND FAT METABOLISM IN ANTI-INSULIN SERUM DIABETES: INACTIVATION BY FREE FATTY ACIDS AND THE PROTECTIVE EFFECT OF CELLULAR PROTEIN. Shafir E, Ruderman NB Diabetologia 10: 731-42, Dec 74 (Eng)

FATTY ACID

[STUDIES ON THE GLYCERIDE STRUCTURE OF FATS. 6. STUDIES WITH SYNTHETIC TRIGLYCERIDES ON THE FATTY ACIDS SPECIFICITY OF LIPISE OF GEOTRICHUM CANDIDUM] Franzke C, Kroll J, Petzold R Nahrung 17: 171-84, 1973 (Ger)

Diabetes Literature—Keyword Index

FLUOROMETRIC ASSAY

METABOLIC ALTERATIONS OF FATTY ACIDS. Fulco AJ *Annu Rev Biochem* 43: 215-41, 1974 (Eng) [258]

FATTY ACID EFFECT

EFFECT OF FATTY ACIDS AND ACYL-COA ON THE PERMEABILITY OF MITOCHONDRIAL MEMBRANES TO MONOVALENT CATIONS. Wojtczak L *FEBS Lett* 44: 25-30, 15 Aug 74 (Eng)

FATTY ACID, ESSENTIAL

[HOW ESSENTIAL ARE THE ESSENTIAL FATTY ACIDS] Glatzel H Z *Allgemeinmed* 50: 970-80, 10 Aug 74 (Ger) [120]

FATTY ACID, FREE

DISPLACEMENT INTO INCUBATION MEDIUM BY ALBUMIN OF HIGHLY UNSATURATED RETINA FREE FATTY ACIDS ARISING FROM MEMBRANE LIPIDS. Aveland MI, Bazan NG *FEBS Lett* 40: 53-6, 15 Mar 74 (Eng)

EFFECT OF EXERCISE ON LEVELS OF PLASMA GROWTH HORMONE, FREE FATTY ACIDS, AND GLUCOSE IN THE PIGEON. McKeown BA, John TM, George JC *Arch Int Physiol Biochim* 82: 55-62, Feb 74 (Eng)

NON-ESTERIFIED FATTY ACID (FFA) METABOLISM FOLLOWING SEVERE HEMORRHAGE IN THE CONSCIOUS DOG. Spitzer JJ, Wiener R, Wolf EH *Adv Exp Med Biol* 33: 221-30, 1972 (Eng)

ENZYMES OF CARBOHYDRATE AND FAT METABOLISM IN ANTI-INSULIN SERUM DIABETES: INACTIVATION BY FREE FATTY ACIDS AND THE PROTECTIVE EFFECT OF CELLULAR PROTEIN. Shafrir E, Ruderman NB *Diabetologia* 10: 731-42, Dec 74 (Eng)

SERUM INSULIN, GLUCOSE, AND FREE FATTY ACIDS IN THE COW AND FETUS DURING GESTATION. Grigsby JS, Oxender WD, Hafs HD, Britt DG, Merkel RA *Proc Soc Exp Biol Med* 147: 830-4, Dec 74 (Eng)

[THE FACTORS WHICH START THE REBOUND PHENOMENON IN THE SERUM FFA FOLLOWING INSULIN ADMINISTRATION] Bostanci N *Turk Tip Cemiy Mecm* 36: 185-97, 1970 (Tur)

FATTY ACID, NONESTERIFIED

NON-ESTERIFIED FATTY ACID (FFA) METABOLISM FOLLOWING SEVERE HEMORRHAGE IN THE CONSCIOUS DOG. Spitzer JJ, Wiener R, Wolf EH *Adv Exp Med Biol* 33: 221-30, 1972 (Eng)

[SOMATOTROPIN AND NONESTERIFIED FATTY ACID CONTENT DURING THE STANDARD GLUCOSE TOLERANCE TEST IN CHILDREN AND ADOLESCENTS FROM FAMILIES WITH THE HISTORY OF DIABETES MELLITUS] Stulij LA, Balabolkin MI, Rozhnov AA, Kasatkin IN, Smirnova LK *Probl Endokrinol (Mosk)* 20: 3-7, Sep-Oct 74 (Rus)

FATTY ACID OXIDATION

THE OCCURRENCE OF INTERMEDIATES IN MITOCHONDRIAL FATTY ACID OXIDATION. Stanley KK, Tubbs PK *FEBS Lett* 39: 325-8, 1 Mar 74 (Eng)

FATTY ACID PATTERN

[BEHAVIOR OF THE FATTY ACID PATTERN OF TRIGLYCERIDES IN LIVER

PARENCHYMA AND DEPOT FATS IN DIABETIC PATIENTS IN RELATION TO FATTY LIVER] Singer P, Gnauck G, Thoeke H, Honigsmann G, Buntrock P, Kettler LH *Dtsch Z Verdau Stoffwechselkr* 34: 27-35, 1974 (Ger)

FATTY ACID SPECTRUM

CARBON-13 FOURIER TRANSFORM NUCLEAR MAGNETIC RESONANCE. 8. ROLE OF STERIC AND ELECTRIC FIELD EFFECTS IN FATTY ACID SPECTRA. Batchelor JG, Cushley RJ, Prestegard JH *J Org Chem* 39: 1698-1705, 14 Jun 74 (Eng)

FATTY ACID SYNTHESIS

REGULATION OF FATTY-ACID SYNTHESIS IN HIGHER ANIMALS. Numa S *Ergeb Physiol* 69: 54-96, 1974 (Eng) [229]

FATTY ACYL COENZYME A ESTER

REGULATION OF METABOLIC TRANSPORT IN RAT AND GUINEA PIG LIVER MITOCHONDRIA BY LONG CHAIN FATTY ACYL COENZYME A ESTERS. Shrago E, Shug A, Elson C, Spennetta T, Crosby C *J Biol Chem* 249: 5269-74, 25 Aug 74 (Eng)

FEEDBACK CONTROL

BIOTIN UPTAKE BY COLD-SHOCKED CELLS, SPHEROPLASTS, AND REPRESSED CELLS OF SACCHAROMYCES CEREVISIAE: LACK OF FEEDBACK CONTROL. Cicmanec JF, Lichstein HC *J Bacteriol* 119: 718-25, Sep 74 (Eng)

FEEDING

FEEDING BEHAVIOUR IN OBESITY. Ries W *Proc Nutr Soc* 32: 187-93, Dec 73 (Eng)

EFFECTS OF FRUCTOSE, SUCROSE AND GLUCOSE FEEDING ON PLASMA INSULIN CONCENTRATIONS AND ON ADIPOSE-TISSUE CLEARING-FACTOR LIPIASE ACTIVITY IN THE RAT. Cryer A, Riley SE, Williams ER, Robinson DS *Biochem J* 140: 561-63, Jun 74 (Eng)

FEMORAL ARGERY

[PROCEEDINGS: INCORPORATION OF 1-14C-OLEIC ACID IN SUBCELLULAR FRACTIONS OR NORMAL AND ATHEROSCLEROTIC HUMAN FEMORAL ARTERIES IN VITRO] Horsch AK, Day AJ *Munch Med Wochenschr* 116: 1111-2, 31 May 74 (Ger)

FEMOROPERONEAL BYPASS

FEMOROPERONEAL BYPASS: EVALUATION OF POTENTIAL FOR REVASCULARIZATION OF THE SEVERELY ISCHEMIC LOWER EXTREMITY. Reichle FA, Tyson RR *Ann Surg* 181: 182-5, Feb 75 (Eng)

FENFLURAMINE

PROCEEDINGS: EFFECT OF THE (MINUS)- AND (PLUS)-ISOMERS OF FENFLURAMINE AND NORFENFLURAMINE ON GLUCOSE UPTAKE BY THE ISOLATED RAT HEMIDIAPHRAGM. Kirby MJ, Turner P *Br J Pharmacol* 51: 120p-121p, May 74 (Eng)

THE EFFECT OF A LOW-CALORIE DIET WITH AND WITHOUT FENFLURAMINE, AND FENFLURAMINE ALONE ON THE GLUCOSE TOLERANCE AND INSULIN SECRETION OF OVERWEIGHT NON-DIABETICS. Dykes JR *Postgrad Med J* 49: 314-7, May 73 (Eng)

THE EFFECT OF A LOW-CALORIE DIET WITH AND WITHOUT FENFLURAMINE ON THE GLUCOSE TOLERANCE AND INSULIN SECRETION OF OBESE MATURITY-ONSET DIABETICS. Dykes JR *Postgrad Med J* 49: 318-24, May 73 (Eng)

FENFLURAMINE ISOMER

PROCEEDINGS: EFFECT OF THE (MINUS)- AND (PLUS)-ISOMERS OF FENFLURAMINE AND NORFENFLURAMINE ON GLUCOSE UPTAKE BY THE ISOLATED RAT HEMIDIAPHRAGM. Kirby MJ, Turner P *Br J Pharmacol* 51: 120p-121p, May 74 (Eng)

FETAL RAT

STUDIES ON THE LIPID METABOLISM USING 14C-1-PALMITATE IN FETAL RATS. Hummel L, Schirmeister W, Zimmermann T, Wagner H *Biol Neonate* 24: 289-305, 1974 (Eng)

FETAL SHEEP

INSULIN-GLUCAGON SUBSTRATE INTERRELATIONS IN THE FETAL SHEEP. Fiser RH Jr, Erenberg A, Sperling MA, Oh W, Fisher DA *Pediatr Res* 8: 951-5, Dec 74 (Eng)

FETUS

SERUM INSULIN, GLUCOSE, AND FREE FATTY ACIDS IN THE COW AND FETUS DURING GESTATION. Grigsby JS, Oxender WD, Hafs HD, Britt DG, Merkel RA *Proc Soc Exp Biol Med* 147: 830-4, Dec 74 (Eng)

FFA

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FIBROBLAST

REGULATION OF FIBROBLAST GROWTH IN CULTURE. Armelin HA, Armelin MC *Biochem Biophys Res Commun* 62: 260-7, 20 Jan 75 (Eng)

FINGERTIP ABNORMALITY

OCULAR AND FINGERTIP ABNORMALITIES IN ISOLATED GLUCOCORTICOID DEFICIENCY. Counahan R, West R *J Pediatr* 85: 580-1, Oct 74 (Eng)

FLUORESCENCE

THE INFLUENCE OF LIGANDS ON THE FLUORESCENCE OF THE COMPLEX BETWEEN 8-ANILINO-1-NAPHTHALENE SULFONATE AND PYRUVATE KINASE OF NEUROSPORA. Kapoor M *Can J Biochem* 52: 599-609, Jul 74 (Eng)

EFFECTS OF BICYCLIC LEUCINE ANALOGUES ON INSULIN RELEASE FROM THE PERFUSED RAT PANCREAS AND FLUORESCENCE OF REDUCED PYRIDINE NUCLEOTIDES FROM PERFUSED PANCREATIC ISLETS. Joost HG, Panten U, Ishida H, Poser W, Hasselblatt A *Life Sci* 16: 247-54, 15 Jan 75 (Eng)

FLUORESCENT TECHNIC ANTIBODY TEST

[NONSPECIFIC POSITIVE REACTIONS OF THE FTA-TEST] Meyer-Rohn J *Hautarzt* 25: 528-9, Nov 74 (Ger)

FLUOROMETRIC ASSAY

FLUOROMETRIC ASSAY FOR DISCRIMINATING THE STATES OF AMINO GROUPS IN INSULIN, LYSOZYME AND ASPARAGINASE

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FOLLOW-UP

WITH FLUORESCAMINE. Tamaura Y, Todokoro K, Ikebe M, Makino H, Hirose S *FEBS Lett* 50: 70-3, 15 Jan 75 (Eng)

FOLLOW-UP

A NONCULTURE METHOD FOR HOME FOLLOW-UP OF URINARY TRACT INFECTIONS IN CHILDHOOD. Todd J, McLain L, Duncan B, Brown M *J Pediatr* 85: 514-6, Oct 74 (Eng)

FACTORS INFLUENCING THE PROGNOSIS OF VASCULAR DISEASE IN INSULIN-DEFICIENT DIABETES OF LONG DURATION: A SEVEN-YEAR FOLLOW-UP. Martin FI, Warne GL *Metabolism* 24: 1-9, Jan 75 (Eng)

FOLLOW-UP, BLIND

A FOLLOW-UP OF BLIND DIABETIC PATIENTS. Berkow JW, Patz A, Fine S *Ann Ophthalmol* 7: 79-82, Jan 75 (Eng)

FORCED VENTILATION

INFLUENCE OF FORCED VENTILATION ON SUBSTRATE METABOLISM IN THE PERFUSED RAT LUNG. Gassenheimer LN, Rhoades RA *J Appl Physiol* 37: 224-7, Aug 74 (Eng)

FREEZE ETCHING

RECOMBINATION OF HUMAN ERYTHROCYTE APOPROTEIN AND LIPID. II. VISUALIZATION OF APOPROTEIN-LIPID BILAYER COMPLEX BY FREEZE-ETCHING. Wehrli E, Morse PD *J Supramol Struct* 2: 71-8, 1974 (Eng)

PROCEEDINGS: THE FREEZE-ETCHING APPROACH TO THE STUDY OF ISLET PATHOPHYSIOLOGY IN DIABETES. Orci L *J Clin Pathol* 27: 928, Nov 74 (Eng)

FREEZE FRACTURE IMAGE

FREEZE-FRACTURE IMAGES OF CAPILLARIES IN NORMAL AND NEOPLASTIC PITUITARIES. Tani E, Ikeda K, Kudo S, Yamagata S, Makita Y *Acta Neuropathol (Berl)* 28: 105-16, 1974 (Eng)

FRUCTOSE

UTILIZATION AND TURNOVER RATE OF FRUCTOSE DURING CONTINUOUS INTRAVENOUS INFUSION IN PRE-TERM AND TERM NEWBORNS IN DEPENDENCE ON AGE. Beyreiss K, Rautenbach M *Biol Neonate* 24: 330-43, 1974 (Eng)

FRUCTOSE EFFECT

EFFECTS OF FRUCTOSE AND GLUCOSE INFUSIONS ON BLOOD ACID-BASE EQUILIBRIUM IN THE POSTOPERATIVE PERIOD. Hesson I *Acta Chir Scand* 140: 347-51, 1974 (Eng)

EFFECTS OF FRUCTOSE, SUCROSE AND GLUCOSE FEEDING ON PLASMA INSULIN CONCENTRATIONS AND ON ADIPOSE-TISSUE CLEARING-FACTOR LIPASE ACTIVITY IN THE RAT. Cryer A, Riley SE, Williams ER, Robinson DS *Biochem J* 140: 561-63, Jan 74 (Eng)

FRUCTOSE METABOLISM

FRUCTOSE METABOLISM IN THE HUMAN RED BLOOD CELL. Moses SW, Bashan N *Isr J Med Sci* 10: 707-11, Jul 74 (Eng)

FRUCTOSE UTILIZATION

DIFFERENT PATHWAYS FOR FRUCTOSE AND GLUCOSE UTILIZATION IN RHODOSPIRILLUM RUBRUM CAPSULATA AND DEMONSTRATION OF 1-PHOSPHOFRUCTOKINASE IN PHOTOTROPHIC BACTERIA. Conrad R, Schlegel HG *Biochim Biophys Acta* 358: 221-5, 17 Jul 74 (Eng)

FRUCTOSE-1,6-BISPHOSPHATASE

SPECIFIC INACTIVATION OF FRUCTOSE 1,6-BISPHOSPHATASE FROM SACCHAROMYCES CEREVISIAE BY A YEAST PROTEASE. Molano J, Gancedo C *Eur J Biochem* 44: 213-17, 2 May 74 (Eng)

FTA TEST

[NONSPECIFIC POSITIVE REACTIONS OF THE FTA-TEST] Meyer-Rohn J *Hautarzt* 25: 528-9, Nov 74 (Ger)

FULMINANT ONSET

FULMINANT ONSET OF DIABETES MELLITUS DURING AN ATTACK OF INFECTIOUS MONONUCLEOSIS. Burgess JA, Kirkpatrick KL, Menser MA *Med J Aust* 2: 706-7, 9 Nov 74 (Eng)

FUNCTION, ENZYMATIC

METABOLIC, HORMONAL AND ENZYMATIC FUNCTIONS OF RATS DURING RECOVERY FROM INJURY. Nemeth S, Vigas M, Strakova A *Adv Exp Med Biol* 33: 423-7, 1972 (Eng)

GASTRINOMA

PATHOMORPHOLOGIC, BIOCHEMICAL, AND DIAGNOSTIC ASPECTS OF GASTRINOMAS (ZOLLINGER-ELLISON SYNDROME). Creutzfeldt W, Arnold R, Creutzfeldt C, Track NS *Hum Pathol* 6: 47-76, Jan 75 (Eng)

GASTROINTESTINAL MOTILITY

[EXPERIMENTAL OBSERVATIONS ON GASTROINTESTINAL MOTILITY AND ABSORPTIVE FUNCTION AFTER ABDOMINAL OPERATION] Anonymous *Chin Med J* 7: 394-8, 1974 (Chi)

[QUANTITATIVE STUDIES OF THE EFFECT OF PANCREATIC GLUCAGON AND SECRETIN ON GASTROINTESTINAL MOTILITY IN MAN RECORDED BY SIMULTANEOUS ELECTRO-MANOMETRIC REGISTRATION (AUTHORS TRANSL)] Paul F *Klin Wochenschr* 52: 983-9, 15 Oct 74 (Ger)

GEOTRICHUM CANDIDUM

[STUDIES ON THE GLYCERIDE STRUCTURE OF FATS. 6. STUDIES WITH SYNTHETIC TRIGLYCERIDES ON THE FATTY ACIDS SPECIFICITY OF LIPASE OF GEOTRICHUM CANDIDUM] Franzke C, Kroll J, Petzold R *Nahrung* 17: 171-84, 1973 (Ger)

GESTATION, COW

SERUM INSULIN, GLUCOSE, AND FREE FATTY ACIDS IN THE COW AND FETUS DURING GESTATION. Grigsby JS, Oxender WD, Hafs HD, Britt DG, Merkel RA *Proc Soc Exp Biol Med* 147: 830-4, Dec 74 (Eng)

GHOST, PERMEABILITY

THE ROLE OF MEMBRANE-BOUND MAGNESIUM IN THE PERMEABILITY OF GHOSTS TO K⁺. Romero PJ *Biochim Biophys Acta* 339: 116-25, 26 Feb 74 (Eng)

GINGIVA BIOPSY

MICROCIRCULATION IN DIABETES MELLITUS: A STUDY OF GINGIVAL BIOPSIES. Lin JH, Duffy JL, Roginsky MS *Hum Pathol* 6: 77-96, Jan 75 (Eng)

GIRL

[INSULIN CONTENT IN THE BLOOD SERUM OF HEALTHY GIRLS AND THE INDICES OF PHYSICAL DEVELOPMENT] Morozova TP, Kolesov DV, Kasatkina IN, Ametov AS, Smirnova LK *Vopr Okhr Materin Det* 19: 49-51, Oct 74 (Rus)

GLIBORNURID

[GLIBORNURID (GLUTRIL, ROCHE)] Worm J *Ugeskr Laeger* 136: 2763-4, 2 Dec 74 (Dan)

GLICLAZIDE EFFECT

[EFFECT OF GLICLAZIDE ON PLATELET BEHAVIOR] Verry M, Dechavanne M, Desnoyers P, Stoltz JF, Vainer H *Nouv Presse Med* 3: 2099-100, 5 Oct 74 (Fre)

GLOMERULAR STRUCTURE

THE STRUCTURE OF THE GLOMERULAR CAPILLARY BASEMENT MEMBRANE IN DIABETES MELLITUS WITH AND WITHOUT NEPHROTIC SYNDROME. Wehner H, Bohle A *Virchows Arch [Pathol Anat]* 364: 303-9, 1974 (Eng)

GLOMERULUS

[QUANTITATIVE PATHOMORPHOLOGY OF THE GLOMERULI IN THE HUMAN KIDNEY] Wehner H *Veroeff Morphol Pathol* 1-67, 1974 (Ger)

GLUCAGON

[GLUCAGON AND FUNCTION OF THE HYPOTHALAMO-HYPOPHYSAL-ADRENOCORTICAL SYSTEM IN HUMANS] Balestreri R, Bertolini S, Elicio N, Costa S *Boll Soc Ital Biol Sper* 50: 417-23, 15 Apr 74 (Ita)

INFLUENCE OF GLUCAGON ON CANALICULAR BILE PRODUCTION IN THE DOG. Khedisi A, Dumont M, Duval M, Erlinger S *Biomedicine [Express]* 21: 176-81, 10 Apr 74 (Eng)

[STUDY OF CATECHOLAMINE EXCRETION AFTER SINGLE ADMINISTRATION OF GLUCAGON IN DIABETICS (AUTHORS TRANSL)] Razu M, Balazovjech I, Kratochvilova H *Bratisl Lek Listy* 62: 701-10, Dec 74 (Slo)

EFFECT OF SPLANCHNIC NERVE STIMULATION ON GLUCAGON AND INSULIN OUTPUT IN THE DOG. Kaneto A, Kajinuma H, Kosaka K *Endocrinology* 96: 143-50, Jan 75 (Eng)

GLUCAGON AND PLASMA CATECHOLAMINE RESPONSES TO GRADED AND PROLONGED EXERCISE IN MAN. Galbo H, Holst JJ, Christensen NJ *J Appl Physiol* 38: 70-6, Jan 75 (Eng)

DECREASED GLUCAGON ACTIVITY: A MECHANISM FOR GENETIC AND ACQUIRED ENDOGENOUS HYPERLIPAEemia. Eaton RP, Schade DS, Conway M *Lancet* 2: 1545-7, 28 Dec 74 (Eng)

EFFECT OF INTRAVENOUSLY ADMINISTERED GLUCOSE ON GLUCAGON AND INSULIN SECRETION DURING FAT ABSORPTION. Dobbs R, Faloona GR, Unger RH *Metabolism* 24: 69-75, Jan 75 (Eng)

Diabetes Literature—Keyword Index

GLUCAGON AND THE PANCREAS, LIVER AND BILE DUCTS. Barbezat GO *S Afr J Surg* 12: 213-7, Dec 74 (Eng) [35]

[**GLUCAGON THERAPY IN ACUTE PANCREATITIS**] Stave OT *Tidsskr Nor Lægeforen* 94: 1466-7, 30 Aug 74 (Nor)

GLUCAGON EFFECT

[**QUANTITATIVE STUDIES OF THE EFFECT OF PANCREATIC GLUCAGON AND SECRETIN ON GASTROINTESTINAL MOTILITY IN MAN RECORDED BY SIMULTANEOUS ELECTRO-MANOMETRIC REGISTRATION** [AUTHORS TRANSL.] Paul F *Klin Wochenschr* 52: 983-9, 15 Oct 74 (Ger)

EFFECTS OF GLUCAGON UPON RAT LIVER MITOCHONDRIA IN VIVO. Williams JN Jr, Thorp SL *Proc Soc Exp Biol Med* 147: 803-6, Dec 74 (Eng)

[**EFFECT OF GLUCAGON ON THE MUSCUL TONE OF THE DUODENAL WALL. RADIOLOGICAL USEFULNESS**] Silvan Delgado M, Juanco Pedregal C, Gonzalez Tutor A, Fernandez Echevarria MA *Rev Esp Enferm Apar Dig* 44: 797-810, 15 Dec 74 (Spa)

GLUCAGON INFUSION

THE GLUCAGON INFUSION TEST AND GROWTH HORMONE SECRETION. Avruskin TW, Tang SC, Juan CS *J Pediatr* 86: 102-6, Jan 75 (Eng)

GLUCAGON RELEASE

INTERACTION OF AMINO ACIDS AND CYCLIC AMP ON THE RELEASE OF INSULIN AND GLUCAGON BY NEWBORN RAT PANCREAS. Jarrouse C, Rosselin G *Endocrinology* 96: 168-77, Jan 75 (Eng)

SOMATOSTATIN INHIBITS INSULIN AND GLUCAGON RELEASE BY MONOLAYER CELL CULTURES OF RAT ENDOCRINE PANCREAS. Fujimoto WY, Ensink JW, Williams RH *Life Sci* 15: 1999-2004, 1 Dec 74 (Eng)

GLUCAGON SECRETION

INHIBITION OF GLUCAGON SECRETION BY GLUCOSE AND GLYCERALDEHYDE ON ISOLATED ISLETS OF WISTAR RATS. Hahn HJ, Ziegler M, Mohr E *FEBS Lett* 49: 100-2, 1 Dec 74 (Eng)

THE EFFECT OF GLUCOSE ANOMERS UPON INSULIN AND GLUCAGON SECRETION. Rossini AA, Soeldner JS, Hiebert JM, Weir GC, Gleason RE *Diabetologia* 10: 795-9, Dec 74 (Eng)

EFFECT OF LIPIDS ON GLUCAGON SECRETION IN MAN. Andrews SS, Lopez-S A, Blackard WG *Metabolism* 24: 35-44, Jan 75 (Eng)

GLUCAGON SECRETION, DOG

EFFECT OF INTRAPANCREATIC ADMINISTRATION OF CALCIUM UPON GLUCAGON SECRETION IN DOGS. Ohneda A, Matsuda K, Horigome K, Ishii S, Yamagata S *Tohoku J Exp Med* 113: 301-11, Aug 74 (Eng)

GLUCALOGUE, FREE

FURTHER EVIDENCE FOR THE MULTIPLICITY OF CARRIERS FOR FREE GLUCALOGUES IN HAMSTER SMALL INTESTINE. Honegger P, Gershon E *Biochim Biophys Acta* 352: 127-34, 30 May 74 (Eng)

GLUCOCORTICOID DEFICIENCY

OCULAR AND FINGERTIP ABNORMALITIES IN ISOLATED GLUCOCORTICOID DEFICIENCY. Counahan R, West R *J Pediatr* 85: 580-1, Oct 74 (Eng)

GLUCOCORTICOID DEFICIENCY, FAMILIAL

PROCEEDINGS: FAMILIAL GLUCOCORTICOID DEFICIENCY. Thistlethwaite D, Darling JA, Fraser R, Rees LH, Harkness RA *J Endocrinol* 63: 48p-49p, Nov 74 (Eng)

GLUCOCORTICOID RECEPTOR

IS CORTISOL METABOLIZED AS IT DISASSOCIATES FROM GLUCOCORTICOID RECEPTORS IN THYMUS CELLS. Munck A, Brinck-Johnsen T *J Steroid Biochem* 5: 203-5, May 74 (Eng)

GLUCOKINASE

GLUCOKINASE AND GLUCOSE 6-PHOSPHATE DEHYDROGENASE IN NEISSERIA. Holten E *Acta Pathol Microbiol Scand [B]* 82: 201-6, Apr 74 (Eng)

GLUCONEOGENESIS

GLUCONEOGENESIS IN RUMINANTS: GLUCOSE KINETIC PARAMETERS IN CALVES UNDER STANDARDIZED CONDITIONS. Young JW, Trott DR, Berger PJ, Schmidt SP, Smith JA *J Nutr* 104: 1049-55, Aug 74 (Eng)

PROCEEDINGS: REGULATION OF GLUCONEOGENESIS IN BACILLUS STEAROTHERMOPHILUS. Amils R, Cannata JJ *Acta Physiol Lat Am* 23: 569-71, 1973 (Eng)

THE DEVELOPMENT OF PHOSPHOPYRUVATE CARBOXYLASE AND GLUCONEOGENESIS IN NEONATAL RATS. Pearce PH, Buirchell BJ, Weaver PK, Oliver IT *Biol Neonate* 24: 320-9, 1974 (Eng)

[**ADAPTIVE IMPORTANCE OF GLUCONEOGENESIS IN HEALTHY AND DISEASED BODY (REVIEW)**] Genes SG *Patol Fiziol Eksp Ter* 74-81, Nov-Dec 74 (Rus) [81]

[**ROLE OF GLUCONEOGENESIS IN THE MAINTENANCE OF NORMOGLYCEMIA IN THE BODY OF ANIMALS WITH TRANSPLANTED TUMORS**] Blinov VA, Shapov VS *Vopr Onkol* 20: 60-5, 1974 (Rus)

GLUCORECEPTOR CELL TRANSPORT MECHANISM

COMPETITION BETWEEN PHLORIZIN AND GOLD THIOGLUCOSE FOR GLUCORECEPTOR CELL TRANSPORT MECHANISMS IN THE HYPOTHALAMUS. Anonymous *Nutr Rev* 33: 23-5, Jan 75 (Eng) [5]

GLUCOSE

[**BLOOD SERUM EXAMINATION IN MOTHERLESS PIGLETS FROM BIRTH TO THE AGE OF SIX WEEKS (KEPT IN CAGES TILL 30 DAYS OLD). I. GOT, GLUCOSE, HEMATOLOGIC STATUS**] Marx D, Loeffler K, Thran V *Berl Munch Tierarztl Wochenschr* 87: 290-5, 1 Aug 74 (Ger)

DETERMINATION OF THE RATE OF HEXOKINASE-GLUCOSE DISSOCIATION BY THE ISOTOPE-TRAPPING METHOD. Rose IA, O'Connell EL, Litwin S *J Biol Chem* 249: 5163-8, 25 Aug 74 (Eng)

EFFECT OF BETAMETHASONE ON THE PRODUCTION OF GLUCOSE FROM PROPIONATE BY SHEEP. Ford EJ, Winchester JG *J Endocrinol* 62: 51-7, Jul 74 (Eng)

GLUCOSE CONCENTRATION

EFFECT OF EXERCISE ON LEVELS OF PLASMA GROWTH HORMONE, FREE FATTY ACIDS, AND GLUCOSE IN THE PIGEON. McKown BA, John TM, George JC *Arch Int Physiol Biochim* 82: 55-62, Feb 74 (Eng)

FUNCTIONAL DIFFERENTIATION OF HUMAN JEJUNUM AND ILEUM: A COMPARISON OF THE HANDLING OF GLUCOSE, PEPTIDES, AND AMINO ACIDS. Silk DB, Webb JP, Lane AE, Clark ML, Dawson AM *Gut* 15: 444-9, Jun 74 (Eng)

IMMOBILIZED GLUCOSE OXIDASE USED TO MEASURE GLUCOSE IN SERUM. Kunz HJ, Stastny M *Clin Chem* 20: 1018-22, Aug 74 (Eng)

QUANTUM CHEMICAL STUDY OF GLUCOSE, G-1-P AND G-6-P MOLECULES AS THE EFFECTORS OF AN ENZYME. Gaspar R Jr *Acta Biochim Biophys Acad Sci Hung* 7: 275-84, 1972 (Eng)

THE IMMEDIATE INSULIN SECRETORY RESPONSE OF THE ISOLATED PERFUSED RAT PANCREAS TO TOLBUTAMIDE AND GLUCOSE. Lenzen S *FEBS Lett* 49: 407-8, 1 Jan 75 (Eng)

[**CHANGES IN CARBOHYDRATE TOLERANCE DURING SURGERY - WITH SPECIAL REFERENCE TO COMPARISON BETWEEN GLUCOSE AND MALTOSE**] Aono K, Harano K, Hirokata Y, Nakamura Y *Jpn J Anesthesiol* 23: 797-805, Sep 74 (Jpn)

SERUM INSULIN, GLUCOSE, AND FREE FATTY ACIDS IN THE COW AND FETUS DURING GESTATION. Grigsby JS, Oxender WD, Hafs HD, Britt DG, Merkel RA *Proc Soc Exp Biol Med* 147: 830-4, Dec 74 (Eng)

THE ASSESSMENT OF INSULIN, GLUCOSE AND LIPIDS IN ISCHEMIC THROMBOTIC CEREBROVASCULAR DISEASE. Gertler MM, Leetma HE, Koutrouby RJ, Johnson ED *Stroke* 6: 77-84, Jan-Feb 75 (Eng)

14C-GLUCOSE

EFFECTS OF ACETYLCHOLINE ON INCORPORATION OF (14C)GLUCOSE INTO PHOSPHATIDYLINOSITOL AND ON PHOSPHATIDYLINOSITOL BREAKDOWN IN SUBCELLULAR FRACTIONS FROM CEREBRAL CORTEX. Lapetina EG, Michell RH *J Neurochem* 23: 283-7, Jul 74 (Eng)

GLUCOSE ANOMER EFFECT

THE EFFECT OF GLUCOSE ANOMERS UPON INSULIN AND GLUCAGON SECRETION. Rossini AA, Soeldner JS, Hiebert JM, Weir GC, Gleason RE *Diabetologia* 10: 795-9, Dec 74 (Eng)

GLUCOSE, BLOOD

[**RELATION BETWEEN BLOOD GLUCOSE LEVELS AND BODY TEMPERATURE DURING COLD ADAPTATION**] Liakh LA *Fiziol Zh SSSR* 60: 88-93, Jan 74 (Rus)

BLOOD GLUCOSE MEASUREMENT WITH DEXTROSTIX AND NEW REFLECTANCE METER. Schersten B, Kuhl C, Hollender A, Ekman R *Br Med J* 3: 384-7, 10 Aug 74 (Eng)

EFFECT OF A LOW DOSE OF ALLOXAN ON BLOOD GLUCOSE, ISLET BETA CELL GRANULATION, BODY WEIGHT, AND INSULIN RESISTANCE OF OB/OB MICE. Solomon J, Bulkley RJ, Mayer J *Diabetologia* 10: 709-15, Dec 74 (Eng)

GLUCOSE CONCENTRATION

A COMPARISON OF ANTICOAGULANTS FOR THE ANALYSIS OF GLUCOSE CONCENTRATION AND FOR HAEMATOLOGICAL MEASUREMENTS.

Diabetes Literature—Keyword Index

GLUCOSE DEGRADATION

SUREMENTS IN BOVINE BLOOD. Manston R, Whitlock RH, Young ER *J Comp Pathol* 84: 59-65, Jan 74 (Eng)

GLUCOSE DEGRADATION

[STUDIES ON TRANSFORMATIONS OF CARBOHYDRATES. II. EPIMERIZATION AND DEGRADATION OF GLUCOSE IN DILUTED STRONG ALKALINE SOLUTION. (I) (AUTHORS TRANSL)] Koizumi K, Hashimoto K, Mitarai M, Sawada C *J Pharm Soc Jap* 94: 232-7, Feb 74 (Jap)

GLUCOSE EFFECT

EFFECTS OF GLUCOSE ON THE ULTRASTRUCTURE AND INSULIN BIOSYNTHESIS OF ISOLATED MOUSE PANCREATIC ISLETS MAINTAINED IN TISSUE CULTURE. Andersson A, Westman J, Hellerstrom C *Diabetologia* 10: 743-53, Dec 74 (Eng)

EFFECT OF INTRAVENOUSLY ADMINISTERED GLUCOSE ON GLUCAGON AND INSULIN SECRETION DURING FAT ABSORPTION. Dobbs R, Faloona GR, Unger RH *Metabolism* 24: 69-75, Jan 75 (Eng)

VESICULAR BINESIS: GLUCOSE EFFECT ON INSULIN SECRETORY VESICLES. Gabbay KH, Korff J, Schneeberger EE *Science* 187: 177-9, 17 Jan 75 (Eng)

LONG-TERM EFFECTS OF GLUCOSE ON INSULIN RELEASE AND GLUCOSE OXIDATION BY MOUSE PANCREATIC ISLETS MAINTAINED IN TISSUE CULTURE. Andersson A *Biochem J* 140: 377-82, Jun 74 (Eng)

EFFECTS OF FRUCTOSE, SUCROSE AND GLUCOSE FEEDING ON PLASMA INSULIN CONCENTRATIONS AND ON ADIPOSE-TISSUE CLEARING-FACTOR LIPASE ACTIVITY IN THE RAT. Cryer A, Riley SE, Williams ER, Rother DS *Biochem J* 140: 561-63, Jun 74 (Eng)

GLUCOSE HOMEOSTASIS

IN VIVO MODELING FOR GLUCOSE HOMEOSTASIS. Finkelstein SM, Bleicher MA, Battahny S, Tiefenbrun J *IEEE Trans Biomed Eng* 22: 47-52, Jan 75 (Eng)

GLUCOSE INDUCED INSULIN RELEASE

THE STIMULUS-SECRETION COUPLING OF GLUCOSE-INDUCED INSULIN RELEASE. XVII. EFFECTS OF SULFONYLUREAS AND DIAZOXIDE ON INSULAR BIOSYNTHETIC ACTIVITY. Levy J, Malaisse WJ *Biochem Pharmacol* 24: 235-9, 15 Jan 75 (Eng)

GLUCOSE INFUSION

EFFECTS OF FRUCTOSE AND GLUCOSE INFUSIONS ON BLOOD ACID-BASE EQUILIBRIUM IN THE POSTOPERATIVE PERIOD. Hesson I *Acta Chir Scand* 140: 347-51, 1974 (Eng)

GLUCOSE INHIBITION

INHIBITION OF GLUCAGON SECRETION BY GLUCOSE AND GLYCERALDEHYDE ON ISOLATED ISLETS OF WISTAR RATS. Hahn HJ, Ziegler M, Mohr E *FEBS Lett* 49: 100-2, 1 Dec 74 (Eng)

GLUCOSE KINETIC PARAMETER

GLUCONEOGENESIS IN RUMINANTS: GLUCOSE KINETIC PARAMETERS IN CALVES UNDER STANDARDIZED CONDITIONS. Young JW, Trott DR, Berger PJ, Schmidt SP, Smith JA *J Nutr* 104: 1049-55, Aug 74 (Eng)

GLUCOSE LOADING EFFECT

EFFECT OF GLUCOSE LOADING ON SERUM GLYCOPROTEINS. Ghai RD, Pai ML, Shah CP, Srinivasan S *J Assoc Physicians India* 22: 597-600, Aug 74 (Eng)

GLUCOSE METABOLISM

[DIFFUSION COEFFICIENTS AND SUPPLY RADII OF CAPILLARIES OF THE O2- AND GLUCOSE METABOLISM IN THE DS-CARCINOSARCOMA (AUTHORS TRANSL)] Rieger F *Arch Geschwulstforsch* 43: 52-5, 1974 (Ger)

ALTERATION OF IN VIVO GLUCOSE METABOLISM BY COBALTOUS CHLORIDE. Isom GE, Way JL *Toxicol Appl Pharmacol* 27: 131-9, Jan 74 (Eng)

EFFECTS OF STREPTOZOTOCIN ON GLUCOSE METABOLISM, INSULIN RESPONSE, AND ADIPOSITY IN OB/OB MICE. Batchelor BR, Stern JS, Johnson PR, Mahler RJ *Metabolism* 24: 77-91, Jan 75 (Eng)

IA CASE OF DISTURBANCE OF GLUCOSE METABOLISM REGULATION IN THE COURSE OF A BRUCELLA INFECTION] Bagriaciak N, Oker C, Biyal F *Turk Tip Cemiy Mecm* 35: 136-44, 1969 (Tur)

THE EFFECT OF STARVATION ON INSULIN SECRETION AND GLUCOSE METABOLISM IN MOUSE PANCREATIC ISLETS. Hedeskov CJ, Capito K *Biochem J* 140: 423-33, Jun 74 (Eng)

D-GLUCOSE METABOLISM

ANOMERIC SPECIFICITY OF ENZYMES OF D-GLUCOSE METABOLISM. Wurster B, Hess B *FEBS Lett* 40: suppl0s112-8, 23 Mar 74 (Eng) [69]

GLUCOSE OXIDATION

GLUCOSE OXIDATION IN ALVEOLAR MACROPHAGES: PHARMACOLOGIC FEATURES. Gee JB, Khandwala AS, McKeever PE, Malawista SE *J Reticuloendothel Soc* 15: 387-93, May 74 (Eng)

LONG-TERM EFFECTS OF GLUCOSE ON INSULIN RELEASE AND GLUCOSE OXIDATION BY MOUSE PANCREATIC ISLETS MAINTAINED IN TISSUE CULTURE. Andersson A *Biochem J* 140: 377-82, Jun 74 (Eng)

GLUCOSE RETENTION

[GLUCOSE RETENTION AND GROWTH RATE OF TUMORS (AUTHORS TRANSL)] Rieger F *Arch Geschwulstforsch* 43: 56-9, 1974 (Ger) [15]

GLUCOSE TOLERANCE

INSULIN SECRETORY RESPONSE OF DIABETICS DURING THE PERIOD OF IMPROVEMENT OF GLUCOSE TOLERANCE TO NORMAL RANGE. Kosaka K, Hagura R, Kuzuya T, Kuzuya N *Diabetologia* 10: 775-82, Dec 74 (Eng)

[HYDRAMNIOS AND GLUCOSE TOLERANCE: THE INCIDENCE OF HYDRAMNIOS IN 461 PREGNANT PATIENTS SUSPECTED OF DIABETES CORRELATED TO GLUCOSE TOLERANCE (AUTHORS TRANSL)] Engelhardt W *Geburtshilfe Frauenheilkd* 34: 851-6, Oct 74 (Ger)

STUDIES OF GLUCOSE TOLERANCE, INSULIN AND GROWTH HORMONE SECRETION DURING THE MENSTRUAL CYCLE IN HEALTHY WOMEN. Walsh CH, O'Sullivan DJ *Ir J Med Sci* 144: 18-24, Jan 75 (Eng)

GLUCOSE TOLERANCE IN MOTHERS OF OFFSPRING WITH CONGENITAL MALFORMATIONS. Goldman JA *Isr J Med Sci* 10: 1434-7, Nov 74 (Eng)

CHANGES IN GLUCOSE TOLERANCE, INSULIN, SERUM LIPIDS AND LIPOPROTEINS IN PATIENTS WITH RENAL FAILURE ON INTERMITTENT HAEMODIALYSIS. Arora KK, Atkinson MK, Trafford JA, Sheldon J, Nunn R *Postgrad Med J* 49: 293-6, May 73 (Eng)

THE EFFECT OF A LOW-CALORIE DIET WITH AND WITHOUT FENFLURAMINE, AND FENFLURAMINE ALONE ON THE GLUCOSE TOLERANCE AND INSULIN SECRETION OF OVERWEIGHT NON-DIABETICS. Dykes JR *Postgrad Med J* 49: 314-7, May 73 (Eng)

THE EFFECT OF A LOW-CALORIE DIET WITH AND WITHOUT FENFLURAMINE ON THE GLUCOSE TOLERANCE AND INSULIN SECRETION OF OBESE MATURITY-ONSET DIABETICS. Dykes JR *Postgrad Med J* 49: 318-24, May 73 (Eng)

METABOLIC EFFECT OF CONJUGATED OESTROGENS (USP) ON GLUCOSE TOLERANCE. Notelovitz M *S Afr Med J* 48: 2599-603, 21 Dec 74 (Eng)

GLUCOSE TOLERANCE TEST

[SOMATOTROPIN AND NONESTERIFIED FATTY ACID CONTENT DURING THE STANDARD GLUCOSE TOLERANCE TEST IN CHILDREN AND ADOLESCENTS FROM FAMILIES WITH THE HISTORY OF DIABETES MELLITUS] Stulii LA, Balabolkin MI, Rozhnov AA, Kasatkina IN, Smirnova LK *Probl Endokrinol (Mosk)* 20: 3-7, Sep-Oct 74 (Rus)

GLUCOSE TOLERANCE TEST, ORAL

COMMENTS ON THE EVALUATION OF ORAL GLUCOSE TOLERANCE TEST RESULTS. Biliewicz WZ *Mater Med Pol* 6: 213-9, Jul-Sep 74 (Eng)

[LETTER: FALL IN PLASMA TESTOSTERONE LEVELS DURING ORAL GLUCOSE TOLERANCE TEST] Cathelineau G, Roger M, Soldat MC *Nouv Presse Med* 3: 2109, 5 Oct 74 (Fre)

D-GLUCOSE TRANSPORT

TRANSPORT OF D-GLUCOSE BY BRUSH BORDER MEMBRANES ISOLATED FROM THE RENAL CORTEX. Aronson PS, Sacktor B *Biochim Biophys Acta* 356: 231-43, 31 Jul 74 (Eng)

GLUCOSE UPTAKE

PROCEEDINGS: EFFECT OF THE (MINUS)- AND (PLUS)-ISOMERS OF FENFLURAMINE AND NORFENFLURAMINE ON GLUCOSE UPTAKE BY THE ISOLATED RAT HEMIDIAPHRAGM. Kirby MJ, Turner P *Br J Pharmacol* 51: 120p-121p, May 74 (Eng)

GLUCOSE UTILIZATION

[EFFECT OF THE INHIBITOR OF GLUCOSE UTILIZATION, ISOLATED FROM SERUM OF PATIENTS IN UREMIA, UPON MORPHOLOGY AND MEMBRANE PERMEABILITY OF ERYTHROCYTES (AUTHORS TRANSL)] Gajdos M, Dzurik R *Bratisl Lek Listy* 62: 29-34, 1974 (Slo)

DIFFERENT PATHWAYS FOR FRUCTOSE AND GLUCOSE UTILIZATION IN RHODOSPIRILLUM RUBRUM CAPSULATA AND DEMONSTRATION OF 1-PHOSPHOFRUCTOKINASE IN PHOTOTROPHIC BACTERIA. Conrad R,

Diabetes Literature—Keyword Index

GONADOTROPHIN

Schlegel HG *Biochim Biophys Acta* 358: 221-5, 17 Jul 74 (Eng)

GLUCOSE UTILIZATION BY SWEAT GLANDS DURING FASTING IN MAN. Benson JW Jr, Buja ML, Thompson RH, Gordon RS Jr *J Invest Dermatol* 63: 287-91, Sep 74 (Eng)

GLUCOSE, VENOUS BLOOD

SEX RELATED DIURNAL VARIATIONS IN VENOUS BLOOD GLUCOSE AND PLASMA INSULIN LEVELS. EFFECTS OF ESTROGENS IN MEN. Hauteceuvre M, Slama G, Assan R, Tchobrousky G *Diabetologia* 10: 725-30, Dec 74 (Eng)

GLUCOSE-1-PHOSPHATE

QUANTUM CHEMICAL STUDY OF GLUCOSE, G-1-P AND G-6-P MOLECULES AS THE EFFECTORS OF AN ENZYME. Gaspar R Jr *Acta Biochim Biophys Acad Sci Hung* 7: 275-84, 1972 (Eng)

GLUCOSE-6-PHOSPHATASE

HEPATIC MICROSOMAL MEMBRANE: ACTIVATION OF GLUCOSE-6-PHOSPHATASE. Carvo M, Maddaiah VT, Collipp PJ, Chen SY *FEBS Lett* 39: 102-4, 1 Feb 74 (Eng)

GLUCOSE-6-PHOSPHATE

QUANTUM CHEMICAL STUDY OF GLUCOSE, G-1-P AND G-6-P MOLECULES AS THE EFFECTORS OF AN ENZYME. Gaspar R Jr *Acta Biochim Biophys Acad Sci Hung* 7: 275-84, 1972 (Eng)

GLUTAMIC OXALOACETIC TRANSFERASE

[BLOOD SERUM EXAMINATION IN MOTHERLESS PIGLETS FROM BIRTH TO THE AGE OF SIX WEEKS (KEPT IN CAGES TILL 30 DAYS OLD). I. GOT, GLUCOSE, HEMATOLOGIC STATUS] Marx D, Loeffler K, Thran V *Berl Munch Tierarztl Wochenschr* 87: 290-5, 1 Aug 74 (Ger)

GLUTAMINE

ON THE FORMATION OF ACETYL-COA FROM GLUTAMINE AND THE MUTUAL INTERCONVERSION BETWEEN OXALOACETATE AND PYRUVATE IN RABBIT RETICULOCYTES. Muller M, Thamm R, Rapoport S *FEBS Lett* 42: 279-81, 15 Jun 74 (Eng)

GLUTRIL

[GLIBORNURID (GLUTRIL, ROCHE)] Worm J *Ugeskr Laeger* 136: 2763-4, 2 Dec 74 (Dan)

GLYCERALDEHYDE INHIBITION

INHIBITION OF GLUCAGON SECRETION BY GLUCOSE AND GLYCERALDEHYDE ON ISOLATED ISLETS OF WISTAR RATS. Hahn HJ, Ziegler M, Mohr E *FEBS Lett* 49: 100-2, 1 Dec 74 (Eng)

GLYCERIDE

[STUDIES ON THE GLYCERIDE STRUCTURE OF FATS. 6. STUDIES WITH SYNTHETIC TRIGLYCERIDES ON THE FATTY ACIDS SPECIFICITY OF LIPASE OF GEOTRICHUM CANDIDUM] Franzke C, Kroll J, Petzold R *Nahrung* 17: 171-84, 1973 (Ger)

GLYCEROL INFUSION

CEREBRAL METABOLIC EFFECTS OF GLYCEROL INFUSION IN DIABETICS WITH STROKE. Meyer JS, Shimazu K, Ouchi T, Okamoto S, Koto A, Fukuchi Y, Ericsson AD *J Neurol Sci* 21: 1-22, Jan 74 (Eng)

REDISTRIBUTION OF REGIONAL CEREBRAL BLOOD FLOW AFTER GLYCEROL INFUSION IN ACUTE CEREBRAL INFARCTION. Ott EO, Mathew NT, Meyer JS *Neurology (Minneapolis)* 24: 1117-26, Dec 74 (Eng)

GLYCEROL INTOLERANCE

GLYCEROL INTOLERANCE IN A CHILD WITH INTERMITTENT HYPOGLYCEMIA. Maclaren NK, Cowles C, Ozand PT, Shuttee R, Cornblath M *J Pediatr* 86: 43-9, Jan 75 (Eng)

GLYCID METABOLISM DISORDER

[GLYCID METABOLISM DISORDER IN RENAL FAILURE, THERAPEUTIC SEQUELAE] Dzurik R, Cernacek P *Vnitr Lek* 21: 22-7, Jan 75 (Slo)

GLYCINE RECEPTOR

PROCEEDINGS: GLYCINE RECEPTORS IN THE CEREBRAL CORTEX ARE PROBABLY TRANSPORT RECEPTORS. Orrego F, Valdes F *Acta Physiol Lat Am* 23: 623-5, 1973 (Eng)

GLYCOGEN CONTENT

[CHANGES INDUCED BY THEOPHYLLINE IN VITRO ON THE GLYCOGEN CONTENT, CARBOHYDRATE METABOLISM AND FINALLY ON THE PHAGOCYTIC AND BACTERICIDAL ACTIVITY OF POLYNUCLEAR LEUKOCYTES] Henon M, Launay A, Delaunay A *C R Acad Sci [D] (Paris)* 278: 521-4, 21 Jan 74 (Fre)

GLYCOGEN METABOLISM

GLYCOGEN METABOLISM IN GLYCOGEN-RICH ERYTHROCYTES. Moses SW, Bashan N, Gutman A, Ockerman PA *Blood* 44: 275-84, Aug 74 (Eng)

THE CALCIUM IONOPHORE A 23187 AS A PROBE FOR STUDYING THE ROLE OF CA²⁺ IONS IN THE MEDIATION OF CARBACHOL EFFECTS ON RAT SALIVARY GLANDS: PROTEIN SECRETION AND METABOLISM OF PHOSPHOLIPIDS AND GLYCOGEN. Rossignol B, Herman G, Chambaut AM, Keryer G *FEBS Lett* 43: 241-6, 15 Jul 74 (Eng)

DIFFERENT MECHANISMS IN TESTOSTERONE ACTION ON GLYCOGEN METABOLISM IN RAT PERINEAL AND SKELETAL MUSCLES. Bergamini E *Endocrinology* 96: 77-84, Jan 75 (Eng)

GLYCOGEN RICH ERYTHROCYTE

GLYCOGEN METABOLISM IN GLYCOGEN-RICH ERYTHROCYTES. Moses SW, Bashan N, Gutman A, Ockerman PA *Blood* 44: 275-84, Aug 74 (Eng)

GLYCOLIPID

CELL SURFACE GLYCOLIPID AND GLYCOPROTEIN GLYCOSYLTRANSFERASES OF NORMAL AND TRANSFORMED CELLS. Patt LM, Grimes WJ *J Biol Chem* 249: 4157-65, 10 Jul 74 (Eng)

GLYCOLYSIS

COMPETITION FOR ADP BETWEEN PYRUVATE KINASE AND MITOCHONDRIAL OXIDATIVE PHOSPHORYLATION AS A CONTROL MECHANISM IN GLYCOLYSIS. Gosalvez M, Perez-Garcia J, Weinhouse S *Eur J Biochem* 46: 133-40, 1 Jul 74 (Eng)

GLYCOLYTIC ENZYME

COMPARATIVE STUDY OF ERYTHROCYTE GLYCOLYTIC ENZYMES IN MAN AND IN TWO SPECIES OF LAGOMORPHAE. (OCHOTONA RUFESCENS RUFESCENS AND ORYCTOLAGUS CUNICULUS). Puget A, Vergnes H, Gouarderes C *Can J Comp Med* 38: 314-20, Jul 74 (Eng)

GLYCOPROTEIN

ASSOCIATION OF GLYCOPROTEINS WITH THE MEMBRANES. II. ISOLATION AND PARTIAL CHARACTERIZATION OF LIPOPHILIC FRAGMENT FROM HUMAN ERYTHROCYTE MEMBRANE GLYCOPROTEIN. Javadi JJ, Winzler RJ *Biochemistry* 13: 3639-42, 27 Aug 74 (Eng)

BINDING OF CONCANAVALIN A-SEPHAROSE TO GLYCOPROTEINS OF LIVER MICROSOMAL MEMBRANES. Wingqvist L, Eriksson LC, Dallner G *FEBS Lett* 42: 27-31, 15 May 74 (Eng)

CELL SURFACE GLYCOLIPID AND GLYCOPROTEIN GLYCOSYLTRANSFERASES OF NORMAL AND TRANSFORMED CELLS. Patt LM, Grimes WJ *J Biol Chem* 249: 4157-65, 10 Jul 74 (Eng)

GLYCOPROTEIN, SERUM

EFFECT OF GLUCOSE LOADING ON SERUM GLYCOPROTEINS. Ghai RD, Pai ML, Shah CP, Srinivasan S *J Assoc Physicians India* 22: 597-600, Aug 74 (Eng)

GLYCOSYLTRANSFERASE

[BIOSYNTHESIS OF GLYCOSYLTRANSFERASE BY ENDOMYOCYTES FIBULIGERA IN SUBMERGED CULTURE] Veselov Ila, Georgieva SI, Gracheva IM, Sadov AI *Mikrobiologiya* 43: 395-9, 1974 (Rus)

CELL SURFACE GLYCOLIPID AND GLYCOPROTEIN GLYCOSYLTRANSFERASES OF NORMAL AND TRANSFORMED CELLS. Patt LM, Grimes WJ *J Biol Chem* 249: 4157-65, 10 Jul 74 (Eng)

GLYCOSYLTRANSFERASES IN CANINE RESPIRATORY TISSUE. ALTERATIONS IN AN EXPERIMENTALLY INDUCED HYPERSECRETORY STATE. Baker AP, Chakrin LW, Sawyer JL, Munro JR, Hillegass LM, Giannone E *Biochem Med* 10: 387-99, Aug 74 (Eng)

GOLD THIOGLUCOSE

COMPETITION BETWEEN PHLORIZIN AND GOLD THIOGLUCOSE FOR GLUCORECEPTOR CELL TRANSPORT MECHANISMS IN THE HYPOTHALAMUS. Anonymous *Nutr Rev* 33: 23-5, Jan 75 (Eng) [5]

GONADOTROPHIN

PROCEEDINGS: THE RELATIONSHIP BETWEEN PROLACTIN AND GONADOTROPHINS: EFFECTS OF CLOMIPHENE ADMINISTRATION IN NORMAL MEN. Thorner MO, Besser GM, Hagen C, McNeilly AS *J Endocrinol* 63: 43p-44p, Nov 74 (Eng)

GRANULE RELEASE

GRANULE RELEASE

ELECTRON MICROSCOPE STUDIES ON THE GRANULE RELEASE FROM THE RAT PANCREATIC B-CELLS IN ORGAN CULTURE. Fukuma M *J Electron Microsc* (Tokyo) 23: 167-83, 1974 (Eng)

GROWTH CONTROL

GROWTH CONTROL IN PRIMARY FETAL RAT LIVER CELLS IN CULTURE. Paul D, Walter S *J Cell Physiol* 85: 113-23, Feb 75 (Eng)

GROWTH HORMONE

LETTER: GROWTH WITH ABSENT GROWTH HORMONE BY RADIOIMMUNOASSAY. Saenger P, Levine LS, Wiedemann E, Schwartz E, New MI *J Pediatr* 85: 137-8, Jul 74 (Eng)

THE METABOLIC RESPONSE TO EXERCISE AND EXHAUSTION IN NORMAL AND GROWTH-HORMONE-DEFICIENT CHILDREN. Winter JS *Can J Physiol Pharmacol* 52: 575-82, Jun 74 (Eng)

USES OF PROLACTIN- AND GROWTH HORMONE-PRODUCING RAT PITUITARY TUMOR CELLS IN CULTURE. Hinkle PM *Lloydia* 37: 192-5, Jun 74 (Eng)

LETTERS TO THE EDITOR: SERUM INSULIN AND GROWTH HORMONE AFTER KWASHIORKOR. Kajubi SK, Okel RM *Am J Clin Nutr* 27: 1200-1, Nov 74 (Eng)

GROWTH HORMONE BIOASSAY

BIOASSAY OF GROWTH HORMONE. II. DETERMINATION OF LONGITUDINAL BONE GROWTH WITH TETRACYCLINE IN THYROID-TREATED HYPOPHYSECTOMIZED RATS. Thorngren KG, Hansson LJ *Acta Endocrinol (Kbh)* 75: 669-82, Apr 74 (Eng)

BIOASSAY OF GROWTH HORMONE. I. DETERMINATION OF LONGITUDINAL BONE GROWTH WITH TETRACYCLINE IN HYPOPHYSECTOMIZED RATS. Thorngren KG, Hansson LJ *Acta Endocrinol (Kbh)* 75: 653-68, Apr 74 (Eng)

GROWTH HORMONE, BOVINE

ACTION OF PLASMIN ON OXIDIZED BOVINE GROWTH HORMONE. Graf L, Li CH *Arch Biochem Biophys* 161: 691-5, 2 Apr 74 (Eng)

GROWTH HORMONE CONTROL

PHYSIOLOGICAL CONTROL OF GROWTH HORMONE IN THE RABBIT. McIntyre HB, Odell WD *Neuroendocrinology* 16: 8-21, 1974 (Eng)

GROWTH HORMONE EFFECT

[SPEED OF IRREVERSIBLE IN VIVO DEGRADATION OF FREE L-ISOLEUCINE. EFFECT OF GROWTH HORMONE] Wellers G, Chevan J *C R Acad Sci [D] (Paris)* 277: 2735-8, 17 Dec 74 (Fre)

GROWTH HORMONE, HUMAN

[BIOLOGICAL AND RADIOIMMUNOLOGICAL STUDIES ON HUMAN PROLACTIN, HUMAN GROWTH HORMONE, AND HUMAN PLACENTAL LACTOGEN] Lindenmeyer D, Hornung D, Theile L *Eur Orthod Soc Rep Congr* 68: 217-24, May 74 (Eng)

GROWTH HORMONE INHIBITING HORMONE

PURIFICATION OF A PROLACTIN INHIBITING HORMONE AND THE REVEALING OF HORMONE D-GHH WHICH INHIBITS THE RELEASE OF GROWTH HORMONE. Greibrokk T, Currie BL, Johansson NK, Hansen JJ, Folkers K *Biochem Biophys Res Commun* 59: 704-9, 24 Jul 74 (Eng)

GROWTH HORMONE, INTRAUTERINE

MACROGLOSSIA, TRANSIENT NEONATAL DIABETES MELLITUS AND INTRAUTERINE GROWTH FAILURE: A NEW DISTINCT ENTITY. Dacou-Voutetakis C, Anagnostakis D, Xanthou M *Pediatrics* 55: 127-31, Jan 75 (Eng)

GROWTH HORMONE, PLASMA

EFFECT OF EXERCISE ON LEVELS OF PLASMA GROWTH HORMONE, FREE FATTY ACIDS, AND GLUCOSE IN THE PIGEON. McKewen BA, John TM, George JC *Arch Int Physiol Biochim* 82: 55-62, Feb 74 (Eng)

THE EFFECT OF PRATOLOL ON CIRCULATORY RESPONSE AFTER SYMPATHETIC STIMULATION AND ON PLASMA GROWTH HORMONE AND INSULIN LEVELS. Syvalahti E, Iisalo E, Leppanen O *Ann Clin Res* 6: 258-65, Oct 74 (Eng)

GROWTH HORMONE, RABBIT

PHYSIOLOGICAL CONTROL OF GROWTH HORMONE IN THE RABBIT. McIntyre HB, Odell WD *Neuroendocrinology* 16: 8-21, 1974 (Eng)

GROWTH HORMONE RELEASE

PURIFICATION OF A PROLACTIN INHIBITING HORMONE AND THE REVEALING OF HORMONE D-GHH WHICH INHIBITS THE RELEASE OF GROWTH HORMONE. Greibrokk T, Currie BL, Johansson NK, Hansen JJ, Folkers K *Biochem Biophys Res Commun* 59: 704-9, 24 Jul 74 (Eng)

LONG-TERM INFUSION OF GROWTH HORMONE RELEASE INHIBITING HORMONE IN ACROMEGALY: EFFECTS ON PITUITARY AND PANCREATIC HORMONES. Besser GM, Mortimer CH, McNelly AS, Thorner MO, Battistoni GA, Bloom SR, Kastrop KW, Hanssen KF, Hall R, Coy DH, Kastin AJ, Schally AV *Br Med J* 4: 622-7, 14 Dec 74 (Eng)

GROWTH HORMONE RESPONSE

[TESTS OF SOMATOTROPIN RESERVE IN OBESITY: RESPONSE OF GH TO STIMULATION WITH L-DOPA AND L-ARGININE] D'Allessandro B, Bellastella A, Esposito V, Gasbarro R *Folia Endocrinol (Roma)* 27: 381-9, Aug 74 (Ita)

THE EFFECT OF ACUTE FASTING ON SLEEP AND THE SLEEP-GROWTH HORMONE RESPONSE. Karacan L, Rosenbloom AL, Londoño JH, Salis PJ, Thornby JL, Williams RL *Psychosomatics* 14: 33-7, Jan-Feb 73 (Eng)

GROWTH HORMONE RESPONSES TO HYPOGLYCEMIA IN POSTMENOPAUSAL DEPRESSED WOMEN. Gruen PH, Sachar EJ, Altman N, Sassini J *Arch Gen Psychiatry* 32: 31-3, Jan 75 (Eng)

GROWTH HORMONE SECRETION

[PROCEEDINGS: DYNAMICS OF GROWTH HORMONE SECRETION IN ACROMEGALY AND NORMAL ANTERIOR PITUITARY

GLAND FUNCTION] Huff H, Werder K von *Munch Med Wochenschr* 116: 1107, 31 May 74 (Ger)

PATTERNS OF SPONTANEOUS CORTISOL AND GROWTH HORMONE SECRETION IN RHESUS MONKEYS DURING THE SLEEP-WAKING CYCLE. Jacoby JH, Sassini JF, Greenstein M, Weitzman ED *Neuroendocrinology* 14: 165-73, 74 (Eng)

STUDIES OF GLUCOSE TOLERANCE, INSULIN AND GROWTH HORMONE SECRETION DURING THE MENSTRUAL CYCLE IN HEALTHY WOMEN. Walsh CH, O'Sullivan DJ *Ir J Med Sci* 144: 18-24, Jan 75 (Eng)

DEFECTIVE GROWTH HORMONE SECRETION IN PRIMARY MICROCEPHALY. Dacou-Voutetakis C, Karpathios T, Logothetis N, Constantimidis M, Matsaniotis N, Michalopoulos E *J Pediatr* 85: 498-502, Oct 74 (Eng)

THE GLUCAGON INFUSION TEST AND GROWTH HORMONE SECRETION. ArRuskin TW, Tang SC, Juan CS *J Pediatr* 86: 102-6, Jan 75 (Eng)

GROWTH HORMONE, SERUM

CHANGES OF SERUM GROWTH HORMONE IN PSYCHOSOMATIC DISORDERS. Suematsu H, Kurokawa N, Tamai H, Ikemi Y *Psychosom Psychosom* 24: 161-4, 1974 (Eng)

SERUM GROWTH HORMONE (GH) AND INSULIN (IRI) AFTER ORAL GLUCOSE IN SUBJECTS WITH RENAL FAILURE. Viljanen MK, Noustainen R, Kasanen A, Forsstrom J *Ann Clin Res* 6: 266-71, Oct 74 (Eng)

GROWTH RATE

[GLUCOSE RETENTION AND GROWTH RATE OF TUMORS (AUTHORS TRANSL.) Rieger F *Arch Geschwulstforsch* 43: 56-9, 1974 (Ger) [15]

GUANOSINE 3,5-MONOPHOSPHATE

CYCLIC GUANOSINE 3,5-MONOPHOSPHATE IN ESCHERICHIA COLI AND BACILLUS LICHENIFORMIS. Bernlohr RW, Haddox MK, Goldberg ND *J Biol Chem* 249: 4329-31, 10 Jul 74 (Eng)

GUANOSINE-3,5-CYCLICMONOPHOSPHATE

[STIMULATION OF CYCLIC AMP AND CYCLIC GMP IN RAT PANCREAS STIMULATED BY GASTRO-INTESTINAL HORMONES IN VIVO AND IN VITRO] Deschodt-Lanckman M, Robberecht P, De Neef P, Christophe J *Arch Int Physiol Biochim* 82: 180, Feb 74 (Fre)

GUIDELINE, PHYSICIAN

PHYSICIANS GUIDELINES FOR THE DIABETIC IN INDUSTRY. Alexander RW, Tetrick L, Friedman GJ *J Occup Med* 16: 802-3, Dec 74 (Eng)

HAMSTER, CHINESE

STREPTOZOTOCIN-DIABETES IN THE CHINESE HAMSTER. LONG-TERM EFFECTS ON THE LIGHT MICROSCOPIC STRUCTURE OF THE PANCREATIC ISLET TISSUE, LIVER AND KIDNEY. Wilander E *Acta Pathol Microbiol Scand [A]* 82: 767-76, Nov 74 (Eng)

HAWAII

RACIAL VARIATION IN DIABETES MELLITUS IN JAPANESE AND CAUCASIANS LIVING IN

Diabetes Literature—Keyword Index

HIGH ALTITUDE NATIVE

HAWAII. Goodman MJ, Chung CS, Gilbert F J
Med Genet 11: 328-34, Dec 74 (Eng)

HEALTH CARE

HEALTH CARE PROBLEMS OF THE AMERICAN INDIANS. Rabreau ES, Erickson CJ *IS-4 Trans* 13: 319-25, 1974 (Eng)

HEART

[ASPECTS OF AEROBIC RESPIRATION IN THE HEART AND AORTIC WALL IN THE EXPERIMENTAL RABBIT ATHEROSCLEROSIS (AUTHORS TRANSL.)] Pinto G, Erlon L, Rodrigues A, Nery JW, Machado AF *Rev Bras Pesqui Med Biol* 7: 133-8, Mar-Apr 74 (Por)

HEART CELL

INFLUENCE OF INSULIN ON SENSITIVITY TO TETRODOTOXIN OF ISOLATED CHICK EMBRYO HEART CELLS IN CULTURE. Le Douarin G, Renaud JF, Renaud D, Coraboeuf E *J Mol Cell Cardiol* 6: 523-9, Dec 74 (Eng)

HEART, PIG

THE IDENTIFICATION OF INTERMEDIATES IN THE REACTION OF PIG HEART LACTATE DEHYDROGENASE WITH ITS SUBSTRATES. Whitaker JR, Yates DW, Bennett NG, Holbrook JJ, Gutfreund H *Biochem J* 139: 677-97, Jun 74 (Eng)

HEART, RAT

ADENYL CYCLASE ACTIVITY IN DEVELOPING RAT HEART. Brus R *Pol J Pharmacol Pharm* 26: 337-40, May-Jun 74 (Eng)

HEART RATE

HEART RATE AND ENERGY-YIELDING SUBSTRATES IN BLOOD DURING LONG-LASTING RUNNING. Keul J, Haralambie G, Arnold T, Schumann W *Eur J Appl Physiol* 32: 279-89, 1974 (Eng)

HEMANGIOEPERICYTOMA

[THE HEMANGIOEPERICYTOMA OF THE KIDNEY (AUTHORS TRANSL.)] Ludwig G, Nuri M, Peters HJ, Munzenmeier R *Urologe [A]* 13: 284-8, Nov 74 (Ger)

HEMATOLOGIC STATUS

[BLOOD SERUM EXAMINATION IN MOTHERLESS PIGLETS FROM BIRTH TO THE AGE OF SIX WEEKS (KEPT IN CAGES TILL 30 DAYS OLD). I. GOT, GLUCOSE, HEMATOLOGIC STATUS] Marx D, Loeffler K, Thran V *Berl Munch Tierarztl Wochenschr* 87: 290-5, 1 Aug 74 (Ger)

HEMATOLOGICAL MEASUREMENT

A COMPARISON OF ANTICOAGULANTS FOR THE ANALYSIS OF GLUCOSE CONCENTRATION AND FOR HAEMATOLOGICAL MEASUREMENTS IN BOVINE BLOOD. Manston R, Whitlock RH, Young ER *J Comp Pathol* 84: 59-65, Jan 74 (Eng)

HEMIDIAPHRAGM, RAT

PROCEEDINGS: EFFECT OF THE (MINUS)- AND (PLUS)-ISOMERS OF FENFLURAMINE AND NORFENFLURAMINE ON GLUCOSE UPTAKE BY THE ISOLATED RAT HEMIDIAPHRAGM. Kirby MJ, Turner P *Br J Pharmacol* 51: 120p-121p, May 74 (Eng)

HEMODIALYSIS

METABOLIC STUDIES ON RED CELLS FROM PATIENTS WITH CHRONIC RENAL DISEASE ON HAEMODIALYSIS. Wallas CH *Br J Haematol* 26: 71-8, Jan 74 (Eng)

METABOLIC STUDIES ON THE ERYTHROCYTE FROM PATIENTS WITH CHRONIC RENAL DISEASE ON HAEMODIALYSIS. II. ATP METABOLISM. Wallas CH *Br J Haematol* 27: 145-52, May 74 (Eng)

HEMODIALYSIS, INTERMITTENT

CHANGES IN GLUCOSE TOLERANCE, INSULIN, SERUM LIPIDS AND LIPOPROTEINS IN PATIENTS WITH RENAL FAILURE ON INTERMITTENT HAEMODIALYSIS. Arora KK, Atkinson MK, Trafford JA, Sheldon J, Nunn R *Postgrad Med J* 49: 293-6, May 73 (Eng)

HEMODYNAMIC DRUG INTERACTION

HEMODYNAMIC DRUG INTERACTIONS. Nies AS, Shand DG, Branch RA *Cardiovasc Clin* 6: 43-53, 1974 (Eng) [13]

HEMORRHAGE

NON-ESTERIFIED FATTY ACID (FFA) METABOLISM FOLLOWING SEVERE HEMORRHAGE IN THE CONSCIOUS DOG. Spitzer JJ, Wiener R, Wolf EH *Adv Exp Med Biol* 33: 221-30, 1972 (Eng)

HEMORRHAGIC SHOCK

ADIPOSE TISSUE AND HEMORRHAGIC SHOCK. Rosell S, Sandor P, Kovach AG *Adv Exp Med Biol* 33: 323-36, 1972 (Eng)

METABOLIC CHANGES IN HEMORRHAGIC SHOCK. Kovach AG *Adv Exp Med Biol* 23: 275-8, Oct 71 (Eng)

HEPARIN

EFFECT OF CLOFIBRATE ADMINISTRATION ON PLASMA POST-HEPARIN LIPOLYTIC ACTIVITY IN MAN. Maruhama Y, Yanbe A, Abe R, Oneda A, Yamagata S *Tohoku J Exp Med* 113: 343-9, Aug 74 (Eng)

HEPARINIZED BLOOD

METABOLIC AND HORMONAL CHANGES DURING AND AFTER EXCHANGE TRANSFUSION WITH HEPARINIZED OR ACD BLOOD. Cser A *Arch Dis Child* 49: 940-5, Dec 74 (Eng)

HEPATIC MICROSOMAL MEMBRANE

HEPATIC MICROSOMAL MEMBRANE: ACTIVATION OF GLUCOSE-6-PHOSPHATASE. Carvo M, Maddalrah VT, Collipp PJ, Chen SY *FEBS Lett* 39: 102-4, 1 Feb 74 (Eng)

HEPATITIS, CIRRHOTIC

[SIMULTANEOUS INCIDENCE OF DIABETES MELLITUS, CIRRHOTIC HEPATITIS AND 47, XX, 21&46, XX CHROMOSOME PICTURE] Barta L, Kemény P, Reguly Mercé A *Orv Hetil* 116: 153-5, 19 Jan 75 (Hung)

HEPATOCYTE

AN IN VIVO INSULIN EFFECT ON HEPATOCYTE CHROMATIN DETERMINED BY DNA-RNA HYBRIDIZATION. Drake RL, Morgan CR *Biochem Biophys Res Commun* 62: 342-9, 20 Jan 75 (Eng)

HEREDITARY EFFECT

[EFFECT OF HEREDITARY FACTORS ON CERTAIN INDICATORS OF METABOLISM IN CHILDREN AND ADOLESCENTS WITH OBESITY] Dudenko NV, Anishechuk AP, Savchenko DD *Pediatratria* 34-7, Dec 74 (Russ)

HEXOKINASE

DETERMINATION OF THE RATE OF HEXOKINASE-GLUCOSE DISSOCIATION BY THE ISOTOPE-TRAPPING METHOD. Rose FA, O'Connell EL, Litwin S *J Biol Chem* 249: 5163-8, 25 Aug 74 (Eng)

HEXOKINASE, MITOCHONDRIAL

THE FUNCTIONAL COMPARTMENTATION OF MITOCHONDRIAL HEXOKINASE. Gots RF, Bessman SP *Arch Biochem Biophys* 163: 7-14, Jul 74 (Eng)

HEXOKINASE, YEAST

YEAST HEXOKINASE: INTERACTION WITH SUBSTRATES AND ANALOGS STUDIED BY DIFFERENCE SPECTROPHOTOMETRY. Roustan C, Brevet A, Pradel LA, Thoi N van *Eur J Biochem* 44: 353-8, 15 May 74 (Eng)

HEXOPRENALINE

[DOUBLE BLIND TRIAL OF HEXOPRENALINE AS A BRONCHODILATOR] Uimer WT *Arzneim Forsch* 24: 840-1, May 74 (Ger)

HEXOSE

EDITORIAL: JEJUNAL ABSORPTION OF HEXOSE IN INFANTS AND ADULTS. Younoszai MK *J Pediatr* 85: 446-8, Sep 74 (Eng)

HEXOSE MONOPHOSPHATE PATHWAY

ACTIVATION OF HEXOSE MONOPHOSPHATE PATHWAY IN BRAIN BY ELECTRICAL STIMULATION IN VITRO. Kimura H, Naito K, Nakagawa K, Kuriyama K *J Neurochem* 23: 79-84, Jul 74 (Eng)

HEXOSE MONOPHOSPHATE SHUNT

MECHANISM OF STIMULATION OF THE HEXOSE MONOPHOSPHATE SHUNT OF ERYTHROCYTES BY PYRUVATE. Beutler E, Guinto E *Enzyme* 18: 7-18, 1974 (Eng)

HEXURONATE TRANSPORT SYSTEM

[MUTANTS FOR THE HEXURONATE TRANSPORT SYSTEM IN ESCHERICHIA COLI K12: PHYSIOLOGICAL AND GENETIC ANALYSIS] Nemoz G, Robert-Baudouy J, Stoeber F *C R Acad Sci [D] (Paris)* 278: 675-8, 28 Jan 74 (Frc)

HIGH AFFINITY PHLORHIZIN RECEPTOR

THE IN VIVO LOCALIZATION OF HIGH-AFFINITY PHLORHIZIN RECEPTORS TO THE BRUSH BORDER SURFACE OF THE PROXIMAL TUBULE IN DOG KIDNEY. Silverman M *Biochim Biophys Acta* 339: 92-102, 26 Feb 74 (Eng)

HIGH ALTITUDE NATIVE

EFFECT OF ADAPTATION TO HIGH ALTITUDE ON COMPONENTS OF BLOOD AND URINE OF LOWLANDERS COMPARED WITH HIGH ALTITUDE NATIVES. Shrivastava KK, Malhotra MS *Int J Biometeorol* 18: 229-87, Dec 74 (Eng)

Diabetes Literature—Keyword Index

HIGH SPEED DECIMAL DATA PROCESSOR

HIGH SPEED DECIMAL DATA PROCESSOR

INCORPORATION OF A HIGH-SPEED DECIMAL DATA PROCESSOR INTO A CENTRIFUGAL ANALYZER. Gregory RP 4th, Avery J, Renne BW, Dryden PC, Malmstadt HV *Clin Chem* 20: 950-4, Aug 74 (Eng)

HORMONAL CONTROL

HORMONAL CONTROL OF LIPOLYSIS. Galton DJ *Proc R Soc Med* 67: 661-2, Jun 74 (Eng)

HORMONAL FACTOR

TRAUMA: HORMONAL FACTORS WITH SPECIAL REFERENCE TO DIABETES MELLITUS. Efendić S, Cerasi E, Luft R *Acta Anaesthesiol Scand [Suppl]* 107-19, 1974 (Eng)

HORMONAL FUNCTION

METABOLIC, HORMONAL AND ENZYMATIC FUNCTIONS OF RATS DURING RECOVERY FROM INJURY. Nemeth S, Vidas M, Strakova A *Adv Exp Med Biol* 33: 423-7, 1972 (Eng)

HORMONAL RESPONSE

ALTERATION OF METABOLIC AND HORMONAL RESPONSES TO EXERCISE BY PHYSICAL TRAINING. Rennie MJ, Johnson RH *Eur J Appl Physiol* 33: 215-26, 1974 (Eng)

HORMONE

HORMONES AND LYMPHOID TISSUES. CONTACT SENSITIVITY AND DETECTION OF THETA-CELLS IN PITUITARY DWARF MICE. Baroni CD, Doria G *Adv Exp Med Biol* 29: 655-60, 1973 (Eng)

HORMONE EFFECT

EFFECTS OF HORMONES ON CYCLIC AMP RELEASE FROM RAT ADIPOSE TISSUE IN VITRO. Zumstein P, Zapf J, Froesch ER *FEBS Lett* 49: 65-9, 1 Dec 74 (Eng)

HORMONE, GASTROINTESTINAL

[STIMULATION OF CYCLIC AMP AND CYCLIC GMP IN RAT PANCREAS STIMULATED BY GASTRO-INTESTINAL HORMONES IN VIVO AND IN VITRO] Deschodt-Lunckman M, Rohrbrecht P, De Neef P, Christophe J *Arch Int Physiol Biochim* 82: 180, Feb 74 (Fre)

HORMONE, INTESTINAL

[INTESTINAL HORMONES IN DIABETES] Tsvetanov L *Vutr Boles* 13: 1-6, 1974 (Bul) [40]

HOSPITAL

[MYOCARDIAL INFARCT AS A CAUSE OF DEATH IN DIABETICS TREATED AT A HOSPITAL DEPARTMENT FOR INTERNAL DISEASES] Szulc EJ *Wiad Lek* 27: 205-7, 1 Feb 74 (Pol)

HOSPITALIZATION

[PERIODIC HOSPITALIZATION OF PATIENTS WITH VASCULAR AND/OR METABOLIC HAZARDS] Lesobre B, Cathelineau G *Nouv Presse Med* 3: 2510-1, 9-23 Nov 74 (Fre)

HYALURONIC ACID

[HYALURONIC ACID AS VITREOUS BODY REPLACEMENT] Klotz R *Ophthalmologica* 165: 351-9, 1972 (Ger)

HYBRIDIZATION

AN IN VIVO INSULIN EFFECT ON HEPATOCYTE CHROMATIN DETERMINED BY DNA-RNA HYBRIDIZATION. Drake RL, Morgan CR *Biochem Biophys Res Commun* 62: 342-9, 20 Jan 75 (Eng)

HYDRAMNIOS

[HYDRAMNIOS AND GLUCOSE TOLERANCE: THE INCIDENCE OF HYDRAMNIOS IN 461 PREGNANT PATIENTS SUSPECTED OF DIABETES CORRELATED TO GLUCOSE TOLERANCE (AUTHORS TRANSL)] Engelhardt W *Geburthshilfe Frauenheilkd* 34: 851-6, Oct 74 (Ger)

HYDROCORTISONE EFFECT

[EFFECT OF HYDROCORTISONE, THYROXINE AND ALLOXAN DIABETES ON THE INCORPORATION OF THE LABELLED ACETATE-1-C14 INTO THE LIPIDS OF THE ADRENAL GLANDS AND TESTIS IN RATS] Kheidemanis KK, Petushkova TN *Probl Endokrinol (Mosk)* 20: 100-4, Sep-Oct 74 (Rus)

HYPERACTIVITY

[CAUSES AND EFFECTS OF HYPERACTIVITY OF THE SYMPATHICO-ADRENAL SYSTEM IN ACUTE MYOCARDIAL INFARCT] Oganov RG, Vinogradova IV, Aleksandrov AA *Kardiologia* 14: 140-50, Oct 74 (Rus) [146]

HYPERALANINEMIA

LACTICACIDOSIS, KETOACIDOSIS, AND HYPERALANINEMIA IN A PHENFORMIN-TREATED DIABETIC PATIENT. Ball S, Woods HF, Alberti KG *Br Med J* 4: 699-700, 21 Dec 74 (Eng)

HYPERALIMENTATION

AMINO ACID METABOLISM IN ACUTE RENAL FAILURE: INFLUENCE OF INTRAVENOUS ESSENTIAL L-AMINO ACID HYPERALIMENTATION THERAPY. Abel RM, Shih YE, Abbott WM, Beck CH Jr, Fischer JF *Ann Surg* 180: 350-5, Sep 74 (Eng)

HYPERALIMENTATION. Kinney JM *Acta Anaesthesiol Scand [Suppl]* 127-30, 1974 (Eng)

HYPERGLYCEMIA

HYPERGLYCEMIA IN THE NEWBORN. Kumari S, Sagreya K, Bhargava SK *Indian Pediatr* 11: 581-3, Aug 74 (Eng)

HYPERGLYCEMIA, CONGENITAL

THE ABSENCE OF CATARACTS IN MICE WITH CONGENITAL HYPERGLYCEMIA. Varma SD, Kinoshita JH *Exp Eye Res* 19: 577-82, Dec 74 (Eng)

HYPERGLYCEMIC HORMONE

SECRETION OF HYPERGLYCAEMIC HORMONE FROM THE CORPUS CARDIACUM OF FLYING BLOWFLIES, CALLIPHORA ERYTHROCEPHALA. Vejbjerg K, Normann TC *J Insect Physiol* 20: 1189-92, Jul 74 (Eng)

HYPERGLYCEMIC RESPONSE

MECHANISMS OF HYPERGLYCEMIC RESPONSE TO CHLORPROMAZINE ADMINISTERED INTO LATERAL VENTRICLE IN RATS. I. POSSIBLE ROLE OF DOPAMINERGIC NERVOUS SYSTEM. Fujimori K, Iwamoto T *Neuropharmacology* 13: 245-54, Apr 74 (Eng)

MECHANISMS OF HYPERGLYCEMIC RESPONSE TO CHLORPROMAZINE ADMINISTERED INTO LATERAL VENTRICLE IN RATS. II. SECRETION OF EPINEPHRINE FROM ADRENAL MEDULLA. Fujimori K, Iwamoto T *Neuropharmacology* 13: 255-60, Apr 74 (Eng)

HYPERGLYCEMIC RESPONSE IN CHILDREN WITH CONVULSIONS. Bajaj RT, Desai M *Indian Pediatr* 11: 719-22, Nov 74 (Eng)

HYPERINSULINEMIC MONKEY

THE EFFECTS OF HIGH CARBOHYDRATE DIETS ON HYPERINSULINEMIC MONKEYS (MACACA MULATTA). Hamilton CL, Kuo PT, Feng L *J Med Primatol* 3: 276-84, 1974 (Eng)

HYPERKALEMIA

[HYPERKALEMIA] Le Gall JR *Nouv Presse Med* 3: 1391-2, 25 May 74 (Fre)

INFLUENCE OF ETHER ANAESTHESIA ON SUXAMETHONIUM-INDUCED HYPERKALEMIA. Maghigheola JA, Adadevoh BK, Durowoju JE *Anaesthesia* 29: 429-34, Jul 74 (Eng)

HYPERLIPEMIA

[LIPOMOBILIZING FACTOR OF BLOOD IN THE PATHOGENESIS OF HYPERLIPEMIA IN EXPERIMENTAL DIABETES MELLITUS] Tishchenina RS *Probl Endokrinol (Mosk)* 20: 95-9, Sep-Oct 74 (Rus)

HYPERLIPEMIA, GENETIC

DECREASED GLUCAGON ACTIVITY: A MECHANISM FOR GENETIC AND ACQUIRED ENDOGENOUS HYPERLIPIDEMIA. Eaton RP, Schade DS, Conway M *Lancet* 2: 1545-7, 28 Dec 74 (Eng)

HYPERLIPOPROTEINEMIA, TYPE 4

[MULTIPLE OSTEONECROSIS WITH TYPE IV HYPERLIPOPROTEINEMIA (AUTHORS TRANSL)] Zernaviczky J, von Torklus D, Wilke H, Frahm H *Z Orthop* 112: 1112-8, Oct 74 (Ger)

HYPEROSMOLALITY

HYPEROSMOLALITY AND TRAUMA. Hallberg D *Acta Anaesthesiol Scand [Suppl]* 21-7, 1974 (Eng)

HYPERSECRETORY STATE

GLYCOSYLTRANSFERASES IN CANINE RESPIRATORY TISSUE. ALTERATIONS IN AN EXPERIMENTALLY INDUCED HYPERSECRETORY STATE. Baker AP, Chakrin LW, Sawyer JL, Munro JR, Hillegass LM, Giannone E *Biochem Med* 10: 387-99, Aug 74 (Eng)

HYPERTENSION, MALIGNANT

ORAL DIAZOXIDE IN UNCONTROLLED MALIGNANT HYPERTENSION. Fang P, MacDonald I, Laver M, Hua A, Kincaid-Smith P *Med J Aust* 2: 621-4, 26 Oct 74 (Eng)

HYPERTENSIVE RAT

ADRENAL MEDULLARY STORAGE VESICLES OF THE SPONTANEOUSLY HYPERTENSIVE RAT. Slotkin TA, Green HO *Biochem Pharmacol* 24: 173-80, 15 Jan 75 (Eng)

HYPERTHYROID RAT

THE EFFECT OF NORADRENALINE AND TYRAMINE ON CARDIAC CONTRACTILITY.

Diabetes Literature—Keyword Index

IMMUNOFLUORESCENCE

CYCLIC AMP, AND PHOSPHORYLASE A IN NORMAL AND HYPERTHYROID RATS. Young BA, McNeill JH *Can J Physiol Pharmacol* 52: 375-83, Jun 74 (Eng)

HYPERURICEMIA

[CARBOHYDRATE INFUSION 1: HYPERURICEMIA CAUSED BY CARBOHYDRATE INFUSION] Yoshikawa K, Kuro M, Oda T, Minami T *Jap J Anesthesiol* 23: 106-14, Feb 74 (Jap)

HYPOFIBRINOLYSIS

[HYPOFIBRINOLYSIS IN ACUTE MYOCARDIAL INFARCTION (AUTHORS TRANSL.)] Bruhn HD, Jipp P, Okoye S, Oltmann A *Med Klin* 69: 1951-5, 22 Nov 74 (Ger)

HYPOGLYCEMIA

LETTER: HYPOGLYCAEMIA ASSOCIATED WITH INTRATHORACIC MESOTHELIOMA. Leung JS, Tang ST *Br Med J* 4: 657, 14 Dec 74 (Eng)

[TREATMENT OF HYPOGLYCEMIA IN THE ADULT] Wolf LM *Cah Med* 15: 589-93, Sep 74 (Fre)

SULFONYLUREA-INDUCED FACTITIOUS HYPOGLYCEMIA IN A NONDIABETIC NURSE. Walfish PG, Kashyap RP, Greenstein S *Can Med Assoc J* 112: 71-2, 11 Jan 75 (Eng)

HYPOGLYCEMIA: A PERSPECTIVE. Berger H *Can Med Assoc J* 112: 81-5, 8 Feb 75 (Eng)

GLYCEROL INTOLERANCE IN A CHILD WITH INTERMITTENT HYPOGLYCEMIA. MacLaren NK, Cowles C, Ozand PT, Shuttee R, Cornblath M *J Pediatr* 86: 43-9, Jan 75 (Eng)

GROWTH HORMONE RESPONSES TO HYPOGLYCEMIA IN POSTMENOPAUSAL DEPRESSED WOMEN. Gruen PH, Sachar EJ, Altman N, Sassini J *Arch Gen Psychiatry* 32: 31-3, Jan 75 (Eng)

HYPOGLYCEMIA: CLINICAL IMPLICATIONS. PART 1: REACTIVE HYPOGLYCEMIA. Block MB *Ariz Med* 31: 932-4, Dec 74 (Eng)

HYPOGLYCEMIA, NEONATAL

NEONATAL HYPOGLYCAEMIA CAUSED BY ISLET CELL HYPERPLASIA. A CASE REPORT. Haubrock AC, Venter ID *S Afr J Surg* 12: 251-3, Dec 74 (Eng)

HYPOGLYCEMIA, REACTIVE

HYPOGLYCEMIA: CLINICAL IMPLICATIONS. PART 1: REACTIVE HYPOGLYCEMIA. Block MB *Ariz Med* 31: 932-4, Dec 74 (Eng)

HYPOGLYCEMIC AGENT

[SIDE EFFECTS OF THE HYPOGLYCEMIC AGENTS (AUTHORS TRANSL.)] Chen SG *J Nurs (Taipei)* 21: 23-4, Jul 74 (Chi)

HYPOGLYCEMIC COMA

[HYPOGLYCEMIC SULFONAMIDES, KIDNEY FAILURE AND HYPOGLYCEMIC COMA] Akoun G, Beaulieu A, Pignard P *Cah Med* 15: 333-6, 15 Jun 74 (Fre)

HYPOGLYCEMIC CONVULSION

KININS AND HYPOGLYCEMIC CONVULSIONS. Wisniewski K, Mackiewicz W *Pol J Pharmacol Pharm* 26: 611-5, Jul-Aug 74 (Eng)

HYPOGLYCEMIC PROPERTY

[NEW COMPOUNDS AND REACTIONS OF SULFONAMIDES WITH AMINES. XIV. HYPOGLYCEMIC PROPERTIES OF SOME DERIVATIVES OF N-(BENZENOSULFONYL)-DELTA-2-PYRAZOLINE-1-CARBOXAMIDE] Brzozowski Z, Angielski S, Wojcikowski C *Acta Pol Pharm* 31: 601-6, 1974 (Pol)

HYPOGONADISM

[RESULTS OF THE STUDY OF SOMATOTROPIC FUNCTION OF THE HYPOPHYSIS WITH THE AID OF INSULIN TOLERANCE TEST IN PATIENTS WITH HYPOGONADISM] Nekrasova LV, Sokolov IaA, Marova EI *Probl Endokrinol (Mosk)* 20: 31-6, Sep-Oct 74 (Rus)

HYPOKALEMIA

[WDHA (WATERY DIARRHEA, HYPOKALEMIA, A CHLORHYDRIA) SYNDROME] Saito R, Himeno S, Toci N *Jap J Clin Med* 32: 711-8, 10 Apr 74 (Jap) [38]

HYPONATREMIA

CHLORPROPAMIDE HYPONATREMIA. Danchaivijit S, Tandananand S *J Med Assoc Thai* 57: 496-9, Oct 74 (Eng)

HYPOPHYSECTOMIZED RAT

ANTERIOR HYPOPHYSIAL FUNCTION IN THE POSTERIOR-HYPOPHYSECTOMIZED RAT: NORMAL REGULATION OF THE ADRENAL SYSTEM. Miller RE, Yueh-Chien H, Wiley MK, Hewitt R *Neuroendocrinology* 14: 233-50, 74 (Eng)

BIOASSAY OF GROWTH HORMONE. II. DETERMINATION OF LONGITUDINAL BONE GROWTH WITH TETRACYCLINE IN THYROID-TREATED HYPOPHYSECTOMIZED RATS. Thorngren KG, Hansson LI *Acta Endocrinol (Kbh)* 75: 669-82, Apr 74 (Eng)

BIOASSAY OF GROWTH HORMONE. I. DETERMINATION OF LONGITUDINAL BONE GROWTH WITH TETRACYCLINE IN HYPOPHYSECTOMIZED RATS. Thorngren KG, Hansson LI *Acta Endocrinol (Kbh)* 75: 653-68, Apr 74 (Eng)

HYPOPHYSIS

[SOMATOTROPIC FUNCTION OF THE HYPOPHYSIS. TOLERANCE TESTS AS A METHOD OF EVALUATION OF THE SOMATOTROPIC FUNCTION OF THE HYPOPHYSIS] Sokolov IaA, Vasilenko VV, Fedotov VP *Probl Endokrinol (Mosk)* 20: 16-22, Sep-Oct 74 (Rus)

[RESULTS OF THE STUDY OF SOMATOTROPIC FUNCTION OF THE HYPOPHYSIS WITH THE AID OF INSULIN TOLERANCE TEST IN PATIENTS WITH HYPOGONADISM] Nekrasova LV, Sokolov IaA, Marova EI *Probl Endokrinol (Mosk)* 20: 31-6, Sep-Oct 74 (Rus)

HYPOPITUITARISM

[SOMATOMEDIN ACTIVITY OF THE SERUM IN THE NORMAL CHILD AND IN HYPOPITUITARISM] Binet E, Schlumberger A, Chaussain JL, Job JC *Arch Fr Pediatr* 31: 339-46, Apr 74 (Fre)

HYPOTHALAMIC CONTROL

THE ADENOHYPOPHYSIAL RESPONSE TO STRESS AND ITS HYPOTHALAMIC CONTROL. McCann SM, Krulich L, Illner P, Quijada M, Ajika K, Fawcett CP *Adv Exp Med Biol* 33: 157-64, 1972 (Eng)

HYPOTHALAMO-HYPOPHYSIAL ADRENOCORTICAL SYSTEM

[GLUCAGON AND FUNCTION OF THE HYPOTHALAMO-HYPOPHYSIAL-ADRENOCORTICAL SYSTEM IN HUMANS] Balestrieri R, Bertolini S, Elicio N, Costa S *Ital Biol Sper* 50: 417-23, 15 Apr 74 (Ita)

HYPOTHALAMO-HYPOPHYSIAL AXIS

[CURRENT CONCEPTS ON THE HYPOTHALAMO-HYPOPHYSIAL AXIS] Lepsanovic L *Med Pregl* 26: 457-66, 1973 (Ser)

HYPOTHALAMO-PITUITARY-ADRENOCORTICAL

EFFECTS OF SURGICAL TREATMENT ON HYPOTHALAMO-PITUITARY-ADRENOCORTICAL FUNCTIONS IN PITUITARY CHROMOPHOBE ADENOMA AND CRANIOPHARYNGIOMA. Nishida S, Ando S, Kitamura K, Tomonaga M *Endocrinol Exp (Bratisl)* 8: 269-79, Dec 74 (Eng)

HYPOTHALAMUS

COMPETITION BETWEEN PHILORIZIN AND GOLD THIOGLUCOSE FOR GLUCORECEPTOR CELL TRANSPORT MECHANISMS IN THE HYPOTHALAMUS. Anonymous *Nutr Rev* 33: 23-5, Jan 75 (Eng) [5]

MODELS OF BEHAVIOR AND THE HYPOTHALAMUS, de Ruiter L, Wiekema PR, Veening JG *Prog Brain Res* 41: 481-507, 1974 (Eng) [69]

HYPOTHERMIA

CENTRAL HYPOTHERMIA BY 2-DEOXY-D-GLUCOSE: ANTAGONISM BY ALPHA-ADRENERGIC ACTIVATION. Muller EE, Cocchi D, Jallanbo H, Udeschini G, Peruzzi G, Mantegazza P *Eur J Pharmacol* 26: 243-55, May 74 (Eng)

HYPOTHERMIC PROTECTION

MECHANISMS AGAINST ANOXIA. Miller JA Jr, Miller FS *Adv Exp Med Biol* 33: 571-86, 1972 (Eng)

ILEUM

FUNCTIONAL DIFFERENTIATION OF HUMAN JEJUNUM AND ILEUM: A COMPARISON OF THE HANDLING OF GLUCOSE, PEPTIDES, AND AMINO ACIDS. Silk DB, Webb JP, Lane AE, Clark ML, Dawson AM *Gut* 15: 444-9, Jun 74 (Eng)

ILLNESS

FUNCTION OF THE ONSET OF ILLNESS IN THE PREFERENCE CHANGES OF ALLOXAN-DIABETIC RATS. Brookshire KH *J Comp Physiol Psychol* 87: 1069-72, Dec 74 (Eng)

IMMUNE INSULITIS

IMMUNE INSULITIS AND MANIFEST DIABETES MELLITUS. STUDIES ON THE COURSE OF IMMUNE INSULITIS AND THE INDUCTION OF DIABETES MELLITUS IN RABBITS IMMUNIZED WITH INSULIN. Kloppe G, Altenahr E, Freytag G, Jansen FK *Virchows Arch [Pathol Anat]* 364: 333-46, 1974 (Eng)

IMMUNOFLUORESCENCE

IMMUNOFLUORESCENCE, HISTOCHEMICAL AND ULTRASTRUCTURAL STUDIES FOR

Diabetes Literature—Keyword Index

IMMUNOHISTOCHEMICAL EVIDENCE

THE DETECTION OF MULTIPLE ENDOCRINE POLYPEPTIDE TUMOURS OF THE PANCREAS. Bordin C, Bussolati G, Vircowis Arch [Zellpathol] 17: 13-27, 1974 (Eng)

IMMUNOHISTOCHEMICAL EVIDENCE

IMMUNOHISTOCHEMICAL EVIDENCE FOR THE LOCALIZATION OF SOMATOSTATIN-LIKE IMMUNOREACTIVITY IN A CELL POPULATION OF THE PANCREATIC ISLETS. Luft R, Efendic S, Hokfelt T, Johansson O, Arimura A Med Biol 52: 428-30, Dec 74 (Eng)

IMMUNOREACTIVITY

IMMUNOHISTOCHEMICAL EVIDENCE FOR THE LOCALIZATION OF SOMATOSTATIN-LIKE IMMUNOREACTIVITY IN A CELL POPULATION OF THE PANCREATIC ISLETS. Luft R, Efendic S, Hokfelt T, Johansson O, Arimura A Med Biol 52: 428-30, Dec 74 (Eng)

INCIDENCE, EQUAL

EQUAL INCIDENCE OF ADULT-ONSET DIABETES AMONG ANCESTORS OF JUVENILE DIABETICS AND NONDIABETICS. MacDonald MJ Diabetologia 10: 767-73, Dec 74 (Eng)

INCUBATION MEDIUM

DISPLACEMENT INTO INCUBATION MEDIUM BY ALBUMIN OF HIGHLY UNSATURATED RETINA FREE FATTY ACIDS ARISING FROM MEMBRANE LIPIDS. Aveldano MI, Bazan NG FEBS Lett 40: 53-6, 15 Mar 74 (Eng)

INDIA

DIABETIC NEUROPATHY IN INDIA. Chhuttani PN, Chawla LS Indian J Med Res 62: 99-109, Jan 74 (Eng)

INDUCTOR

[CONCEPT OF PLATELET RELEASE REACTION. I. INDUCTORS, INHIBITORS AND ENERGETIC BALANCE. (COMPREHENSIVE REVIEW)] Kubisz P Vnitř Lek 20: 782-90, Sep 74 (Slo)

INDUSTRY

PHYSICIANS GUIDELINES FOR THE DIABETIC IN INDUSTRY. Alexander RW, Tetrick L, Friedman GJ J Occup Med 16: 802-3, Dec 74 (Eng)

INFANT

EDITORIAL: JEJUNAL ABSORPTION OF HEXOSE IN INFANTS AND ADULTS. Younoszai MK J Pediatr 85: 446-8, Sep 74 (Eng)

INFANTILE OBESITY

INFANTILE OBESITY AND LATER WEIGHT CONTROL IN THE BABOON. Bruch H, Voss WR Nature 250: 268-9, 19 Jul 74 (Eng)

INFARCT

[LIFE STYLE, SURVEILLANCE AND TREATMENT OF THE RECOVERED INFARCT PATIENT] Guize L Rev Prat 24: 5131-6, 7-11 Dec 74 (Fre)

INFARCT PATIENT, RECOVERED

[LIFE STYLE, SURVEILLANCE AND TREATMENT OF THE RECOVERED INFARCT PATIENT] Guize L Rev Prat 24: 5131-6, 7-11 Dec 74 (Fre)

INFARCTION, CEREBRAL

REDISTRIBUTION OF REGIONAL CEREBRAL BLOOD FLOW AFTER GLYCEROL INFUSION IN ACUTE CEREBRAL INFARCTION. Ott EO, Mathew NT, Meyer JS Neurology (Minneapolis) 24: 1117-26, Dec 74 (Eng)

INFECTION, ACUTE

THE TECUMSEH STUDY OF RESPIRATORY ILLNESS. VIII. ACUTE INFECTION IN CHRONIC RESPIRATORY DISEASE AND COMPARISON GROUPS. Monto AS, Higgins MW, Ross HW Am Rev Respir Dis 111: 27-36, Jan 75 (Eng)

INFECTION, MOUSE

THE DEVELOPMENT OF DIABETES FOLLOWING COXSACKIE B VIRUS INFECTION IN MICE. Coleman TJ, Taylor KW, Gamble DR Diabetologia 10: 755-9, Dec 74 (Eng)

INFECTIOUS MONONUCLEOSIS

FULMINANT ONSET OF DIABETES MELLITUS DURING AN ATTACK OF INFECTIOUS MONONUCLEOSIS. Burgess JA, Kirkpatrick KL, Menser MA Med J Aust 2: 706-7, 9 Nov 74 (Eng)

INFILTRATE, LYMPHOCYTIC

THE LYMPHOCYTIC INFILTRATES IN THE EAR-LOBE SKIN OF DIABETICS. Postnovce J Arch Dermatol Forsch 251: 117-22, 1974 (Eng)

INFUSION, INTRAVENOUS

UTILIZATION AND TURNOVER RATE OF FRUCTOSE DURING CONTINUOUS INTRAVENOUS INFUSION IN PRE-TERM AND TERM NEWBORNS IN DEPENDENCE ON AGE. Beyreiss K, Rautenbach M Biol Neonate 24: 330-43, 1974 (Eng)

INHIBIT

THE ABILITY OF VARIOUS INSULINS AND INSULIN FRAGMENTS TO INHIBIT THE ANGIOTENSIN I CONVERTING ENZYME. Bing J, Poulsen K, Markussen J Acta Pathol Microbiol Scand [A] 82: 777-82, Nov 74 (Eng)

INHIBITOR

[CONCEPT OF PLATELET RELEASE REACTION. I. INDUCTORS, INHIBITORS AND ENERGETIC BALANCE. (COMPREHENSIVE REVIEW)] Kubisz P Vnitř Lek 20: 782-90, Sep 74 (Slo)

[EFFECT OF THE INHIBITOR OF GLUCOSE UTILIZATION, ISOLATED FROM SERUM OF PATIENTS IN UREMIA, UPON MORPHOLOGY AND MEMBRANE PERMEABILITY OF ERYTHROCYTES (AUTHORS TRANSL.)] Gajdos M, Dzurik R Bratisl Lek Listy 62: 29-34, 1974 (Slo)

THE EFFECT OF MONOAMINE OXIDASE INHIBITORS ON THE RECTAL TEMPERATURE OF THE RAT. Summers RJ J Pharm Pharmacol 26: 335-43, May 74 (Eng)

INJURY

METABOLIC, HORMONAL AND ENZYMATIC FUNCTIONS OF RATS DURING RECOVERY FROM INJURY. Nemeth S, Vigas M, Straková A Adv Exp Med Biol 33: 423-7, 1972 (Eng)

INOPORE PROBING

PROBING MEMBRANE TRANSPORT MECHANISMS WITH INOPHORES. Harold FM, Altendorf KH, Hirata H Ann NY Acad Sci 235: 149-60, 10 May 74 (Eng)

INSULAR BIOSYNTHETIC ACTIVITY

THE STIMULUS-SECRETION COUPLING OF GLUCOSE-INDUCED INSULIN RELEASE. XVII. EFFECTS OF SULFONYLUREAS AND DIAZOXIDE ON INSULAR BIOSYNTHETIC ACTIVITY. Levy J, Malaisse WJ Biochem Pharmacol 24: 235-9, 15 Jan 75 (Eng)

INSULIN

POSSIBLE PARTICIPATION OF INSULIN IN THE CONTROL OF VASCULAR PERMEABILITY. Garcia-Lemne J, Bohm GM, Mighorini RH, de Souza MZ Eur J Pharmacol 29: 298-306, Dec 74 (Eng)

FLUOROMETRIC ASSAY FOR DISCRIMINATING THE STATES OF AMINO GROUPS IN INSULIN. LYSOZYME AND ASPARAGINASE WITH FLUORESCAMINE. Tamura Y, Todoroko K, Ikebe M, Makino H, Hirose S FEBS Lett 50: 70-3, 15 Jan 75 (Eng)

[THE BODY'S RESPONSE TO THE LOCAL APPLICATION OF A THERMAL STIMULUS UNDER CONDITIONS OF INADEQUATE INSULIN FORMATION] Shanko VM Fiziol Zh 21: 98-103, Jan-Feb 75 (Ukr)

THE EFFECT OF GLUCOSE ANOMERS UPON INSULIN AND GLUCAGON SECRETION. Rossini AA, Soeldner JS, Hiebert JM, Weir GC, Gleason RE Diabetologia 10: 795-9, Dec 74 (Eng)

STUDIES OF GLUCOSE TOLERANCE, INSULIN AND GROWTH HORMONE SECRETION DURING THE MENSTRUAL CYCLE IN HEALTHY WOMEN. Walsh CH, O'Sullivan DJ Br J Med Sci 144: 18-24, Jan 75 (Eng)

PROCEEDINGS: VARIETIES OF INSULIN. THE SIR HENRY DALE LECTURE FOR 1974. Hodgkin DC J Endocrinol 63: 3p-14p, Nov 74 (Eng) [20]

PROCEEDINGS: INSULIN AND TESTOSTERONE RESPONSES IN CULTURED PROSTATE. Fuller DJ, Coleshill SM, Chan KM, Thomas GH J Endocrinol 63: 59p, Nov 74 (Eng)

INFLUENCE OF INSULIN ON SENSITIVITY TO TETRODOTOXIN OF ISOLATED CHICK EMBRYO HEART CELLS IN CULTURE. Le Douarin G, Renaud JF, Renaud D, Coraboeuf E J Mol Cell Cardiol 6: 523-9, Dec 74 (Eng)

MODEL FOR EXTRUSION OF INSULIN BETA GRANULES. Lazarus NR, Davis B Lancet 1: 143-4, 18 Jan 75 (Eng)

SOMATOSTATIN INHIBITS INSULIN AND GLUCAGON RELEASE BY MONOLAYER CELL CULTURES OF RAT ENDOCRINE PANCREAS. Fujimoto WY, Ensnick JW, Williams RH Life Sci 15: 1999-2004, 1 Dec 74 (Eng)

FACTORS INFLUENCING THE PROGNOSIS OF VASCULAR DISEASE IN INSULIN-DEFICIENT DIABETES OF LONG DURATION: A SEVEN-YEAR FOLLOW-UP. Martin FL, Warne GL Metabolism 24: 1-9, Jan 75 (Eng)

CHANGES IN GLUCOSE TOLERANCE, INSULIN, SERUM LIPIDS AND LIPOPROTEINS IN PATIENTS WITH RENAL FAILURE ON IN-

Diabetes Literature—Keyword Index

INSULIN RELEASE

INSULIN, IMMUNOREACTIVE

- [BLOOD CONTENT OF IMMUNOREACTIVE INSULIN IN CHILDREN AND ADOLESCENTS WITH OBESITY] Livergant IuI., Dudenko NV., Krupchitskaia KI *Lopri Okhr Materin Det* 19: 51-4, Oct 74 (Rus)
- SERUM GROWTH HORMONE (GH) AND INSULIN (IRI) AFTER ORAL GLUCOSE IN SUBJECTS WITH RENAL FAILURE. Vilanen MK., Nousiainen R., Kasanen A., Frosstrom J. *Ann Clin Res* 6: 266-71, Oct 74 (Eng)

INSULIN, INADEQUATE FORMATION

- [THE BODY'S RESPONSE TO THE LOCAL APPLICATION OF A THERMAL STIMULUS UNDER CONDITIONS OF INADEQUATE INSULIN FORMATION] Shanko VM *Fiziol Zh* 21: 98-103, Jan-Feb 75 (Ukr)

INSULIN, INTRAMUSCULAR

- DIABETIC CRISES IN CHILDREN TREATED WITH SMALL DOSES OF INTRAMUSCULAR INSULIN. Moseley J *Br Med J* 1: 59-61, 11 Jan 75 (Eng)

INSULIN OUTPUT

- EFFECT OF SPANIC NERVE STIMULATION ON GLUCAGON AND INSULIN OUTPUT IN THE DOG. Kaneto A., Kajimura H., Kosaka K. *Endocrinology* 96: 143-50, Jan 75 (Eng)

INSULIN, PLASMA

- SEX RELATED DIURNAL VARIATIONS IN VENOUS BLOOD GLUCOSE AND PLASMA INSULIN LEVELS, EFFECTS OF ESTROGENS IN MEN. Hauteceuvre M., Slama G., Assan R., Tchobroutsky G. *Diabetologia* 10: 725-30, Dec 74 (Eng)

- [COMPARATIVE STUDY OF 2 METHODS OF PLASMA INSULIN RADIOIMMUNOASSAY, DOUBLE ANTIBODY AND SOLID PHASE METHODS] Orsetti A., Collard F. *Pathol Biol (Paris)* 22: 771-3, Nov 74 (Fre)

- EFFECTS OF FRUCTOSE, SUCROSE AND GLUCOSE FEEDING ON PLASMA INSULIN CONCENTRATIONS AND ON ADIPOSE-TISSUE CLEARING-FACTOR LIPASE ACTIVITY IN THE RAT. Cryer A., Riley SE., Williams ER., Robinson DS. *Biochem J* 140: 561-63, Jun 74 (Eng)

INSULIN PREPARATION

- THE CLINICAL SIGNIFICANCE OF HIGHLY PURIFIED PIG-INSULIN PREPARATIONS. Deckert T., Andersen OO., Poulsen JJ. *Diabetologia* 10: 703-8, Dec 74 (Eng)

INSULIN RECEPTOR

- [INSULIN RECEPTORS AND MECHANISM OF THE ACTION OF INSULIN IN THE BODY] Starostel'seva LK *Probl Endokrinol (Mosk)* 20: 108-13, Sep-Oct 74 (Rus)

INSULIN RELEASE

- INTERACTION OF AMINO ACIDS AND CYCLIC AMP ON THE RELEASE OF INSULIN AND GLUCAGON BY NEWBORN RAT PANCREAS. Jarrousse C., Rossign G. *Endocrinology* 96: 168-77, Jun 75 (Eng)
- SIGNIFICANCE OF ACID AMYLOGLYCOSIDASE IN SULFONYLUREA-INDUCED INSULIN RELEASE. Lundquist I. *Diabetologia* 10: 717-24, Dec 74 (Eng)

- INTERMITTENT HAEMODIALYSIS. Arora KK., Atkinson MK., Trafford JA., Sheldon J., Nunn R. *Postgrad Med J* 49: 293-6, May 73 (Eng)

- VESICULAR BINESIS: GLUCOSE EFFECT ON INSULIN SECRETORY VESICLES. Gabbay KH., Korff J., Schneberger EE. *Science* 187: 177-9, 17 Jun 75 (Eng)

- THE ASSESSMENT OF INSULIN, GLUCOSE AND LIPIDS IN ISCHEMIC THROMBOTIC CEREBROVASCULAR DISEASE. Gertler MM., Leetma HE., Koutrouby RJ., Johnson ED. *Stroke* 6: 77-84, Jan-Feb 75 (Eng)

- THE ABILITY OF VARIOUS INSULINS AND INSULIN FRAGMENTS TO INHIBIT THE ANGIOTENSIN I CONVERTING ENZYME. Bing J., Poulsen K., Markussen J. *Acta Pathol Microbiol Scand [A]* 82: 777-82, Nov 74 (Eng)

- THE EFFECT OF PRATOLOL ON CIRCULATORY RESPONSE AFTER SYMPATHETIC STIMULATION AND ON PLASMA GROWTH HORMONE AND INSULIN LEVELS. Syvalahti E., Iisalo E., Leppanen O. *Ann Clin Res* 6: 258-65, Oct 74 (Eng)

INSULIN ACTION

- MODE OF INSULIN ACTION. Kissebah AH., Tulloch BR., Hope-Gill H., Clarke PV., Vydelingum N., Fraser TR. *Lancet* 1: 144-7, 18 Jan 75 (Eng)

- [INSULIN RECEPTORS AND MECHANISM OF THE ACTION OF INSULIN IN THE BODY] Starostel'seva LK *Probl Endokrinol (Mosk)* 20: 108-13, Sep-Oct 74 (Rus)

INSULIN ADMINISTRATION

- [THE FACTORS WHICH START THE REBOUND PHENOMENON IN THE SERUM FFA FOLLOWING INSULIN ADMINISTRATION] Bostanci N. *Turk Tip Cemiyet Mecm* 36: 185-97, 1970 (Tur)

INSULIN, ANIMAL

- [ANTIBODIES AGAINST THERAPEUTIC ANIMAL INSULINS AND HOMOLOGOUS PROTEINS IN THE COURSE OF DIABETES IN CHILDREN AND ADOLESCENTS] Karczewska K. *Med Dosw Mikrobiol* 26: 317-24, 1974 (Pol)

INSULIN ANTIBODY

- [INSULIN ANTIBODIES AND THE ACTUAL INSULIN REQUIREMENTS IN CHILDREN AND ADOLESCENTS WITH PRIMARY DIABETES] Karczewska K., Felus E., Panek G., Otto-Buczowska E., Dudziak Z. *Med Dosw Mikrobiol* 26: 325-30, 1974 (Pol)

INSULIN BINDING

- BINDING OF INSULIN AND OTHER HORMONES TO NON-RECEPTOR MATERIALS: SATURABILITY, SPECIFICITY AND APPARENT NEGATIVE COOPERATIVITY. Cuatrecasas P., Hollenberg MD. *Biochem Biophys Res Commun* 62: 31-41, 6 Jun 75 (Eng)

INSULIN BIOSYNTHESIS

- EFFECTS OF GLUCOSE ON THE ULTRASTRUCTURE AND INSULIN BIOSYNTHESIS OF ISOLATED MOUSE PANCREATIC ISLETS MAINTAINED IN TISSUE CULTURE. Andersson A., Westman J., Hellerstrom C. *Diabetologia* 10: 743-53, Dec 74 (Eng)

INSULIN CONTENT

- ZINC AND INSULIN CONTENT IN PANCREATIC ISLETS OF RATS AFTER ADMINISTRATION OF HYPOGLYCEMIC SUL-

- FONAMIDES. Lazaris YA., Kuts LG., Bavel'skii ZV. *Bull Exp Biol Med* 77: 647-9, Dec 74 (Eng)

- [INSULIN CONTENT IN THE BLOOD SERUM OF HEALTHY GIRLS AND THE INDICES OF PHYSICAL DEVELOPMENT] Morozova IP., Kolesov DV., Kasatkin IuN., Ametov AS., Smirnova LK. *Lopri Okhr Materin Det* 19: 49-51, Oct 74 (Rus)

INSULIN DEPENDENT DIABETIC

- ANTIBODIES TO PANCREATIC ISLET CELLS IN INSULIN-DEPENDENT DIABETICS WITH COEXISTENT AUTOIMMUNE DISEASE. MacCuish AC., Irvine WJ., Barnes EW., Duncan LJ. *Lancet* 2: 1529-31, 28 Dec 74 (Eng)

INSULIN EFFECT

- EFFECT OF INSULIN UPON RENAL AMINO ACID TRANSPORT IN LAMBS. Scharrer E., Landes C., Scholl H. *Experientia* 30: 1416-8, 15 Dec 74 (Eng)

- EFFECTS OF INSULIN, TRIIODOTHYRONINE AND CORTICOSTERONE ON ORGAN CULTURES OF THE ADULT RAT CEREBELLUM. Kiernan JA. *Acta Neuropathol (Berl)* 30: 25-31, 1974 (Eng)

- AN IN VIVO INSULIN EFFECT ON HEPATOCYTE CHROMATIN DETERMINED BY DNA-RNA HYBRIDIZATION. Drake RL., Morgan CR. *Biochem Biophys Res Commun* 62: 342-9, 20 Jun 75 (Eng)

INSULIN, EXOGENOUS

- ENDOGENOUS AND EXOGENOUS INSULIN RESPONSES IN PATIENTS WITH CYSTIC FIBROSIS. Wilmshurst EG., Soeldner JS., Holsclaw DS., Kaufmann RL., Shwachman H., Aoki TT., Gleason RE. *Pediatrics* 55: 75-82, Jan 75 (Eng)

INSULIN FORMATION

- [MECHANISM OF THE DISORDER IN ERYTHROCYTE REGENERATION IN DEFICIENT INSULIN FORMATION] Vinichenko NS. *Fiziol Zh* 20: 550-3, Jul-Aug 74 (Ukr)

INSULIN FRAGMENT

- THE ABILITY OF VARIOUS INSULINS AND INSULIN FRAGMENTS TO INHIBIT THE ANGIOTENSIN I CONVERTING ENZYME. Bing J., Poulsen K., Markussen J. *Acta Pathol Microbiol Scand [A]* 82: 777-82, Nov 74 (Eng)

INSULIN GLUCAGON SUBSTRATE

- INSULIN-GLUCAGON SUBSTRATE INTERRELATIONS IN THE FETAL SHEEP. Fiser RH Jr., Erenberg A., Sperling MA., Oh W., Fisher DA. *Pediatr Res* 8: 951-5, Dec 74 (Eng)

INSULIN, HUMAN

- [TOTAL SYNTHESIS OF HUMAN INSULIN UNDER DIRECTED FORMATION OF THE DISULFIDE BONDS] Sieber P., Kamber B., Hartmann A., Johl A., Rimker B., Rittel W. *Helv Chim Acta* 57: 2617-21, 1974 (Ger)

INSULIN IMMUNIZED RABBIT

- IMMUNE INSULITIS AND MANIFEST DIABETES MELLITUS. STUDIES ON THE COURSE OF IMMUNE INSULITIS AND THE INDUCTION OF DIABETES MELLITUS IN RABBITS IMMUNIZED WITH INSULIN. Kloppe G., Altenahr E., Freytag G., Jansen FK. *Virchows Arch [Pathol Anat]* 364: 333-46, 1974 (Eng)

Diabetes Literature—Keyword Index

INSULIN RELEASE, GLUCOSE INDUCED

EFFECT OF CHOLERA TOXIN ON INSULIN RELEASE IN MONOLAYER CULTURES OF THE ENDOCRINE PANCREAS. Wollheim CB, Blondel B, Sharp GW *Diabetologia* 10: 783-7, Dec 74 (Eng)

EFFECTS OF BICYCLIC LEUCINE ANALOGUES ON INSULIN RELEASE FROM THE PERFUSED RAT PANCREAS AND FLUORESCENCE OF REDUCED PYRIDINE NUCLEOTIDES FROM PERFUSED PANCREATIC ISLETS. Joost HG, Panten U, Ishida H, Poser W, Hasselblatt A *Life Sci* 16: 247-54, 15 Jan 75 (Eng)

LONG-TERM EFFECTS OF GLUCOSE ON INSULIN RELEASE AND GLUCOSE OXIDATION BY MOUSE PANCREATIC ISLETS MAINTAINED IN TISSUE CULTURE. Andersson A *Biochem J* 140: 377-82, Jun 74 (Eng)

INSULIN RELEASE, GLUCOSE INDUCED

FAILURE OF 6-AMINONICOTINAMIDE TO INHIBIT THE POTENTIATING EFFECT OF LEUCINE AND ARGININE ON GLUCOSE-INDUCED INSULIN RELEASE IN VITRO. MacDonald MJ, Ammon HP, Patel T, Steinke J *Diabetologia* 10: 761-5, Dec 74 (Eng)

INSULIN REQUIREMENT

[INSULIN ANTIBODIES AND THE ACTUAL INSULIN REQUIREMENTS IN CHILDREN AND ADOLESCENTS WITH PRIMARY DIABETES] Karczewska K, Felus E, Panek G, Otto-Buczowska E, Dudziak Z *Med Dosw Mikrobiol* 26: 325-30, 1974 (Pol)

INSULIN RESISTANCE

EFFECT OF A LOW DOSE OF ALLOXAN ON BLOOD GLUCOSE, ISLET BETA CELL GRANULATION, BODY WEIGHT, AND INSULIN RESISTANCE OF OB/OB MICE. Solomon J, Bulkeley RJ, Mayer J *Diabetologia* 10: 709-15, Dec 74 (Eng)

INSULIN RESPONSE

EFFECTS OF STREPTOZOTOCIN ON GLUCOSE METABOLISM, INSULIN RESPONSE, AND ADIPOSITY IN OB/OB MICE. Batchelor BR, Stern JS, Johnson PR, Mahler RJ *Metabolism* 24: 77-91, Jan 75 (Eng)

INSULIN SECRETION

ENZYME-INDUCED MODIFICATIONS OF BETA CELL FUNCTION. I. EFFECT OF PRONASE ON INSULIN SECRETION. Lambert AF, Henquin JC, Orci L, Renold AE *Eur J Clin Invest* 4: 459-68, 5 Dec 74 (Eng)

CATIONIC ENVIRONMENT AND DYNAMICS OF INSULIN SECRETION. III. EFFECT OF THE ABSENCE OF POTASSIUM. Henquin JC, Lambert AF *Diabetologia* 10: 789-94, Dec 74 (Eng)

[INSULIN SECRETION IN PATIENTS WITH CORONARY HEART DISEASE (AUTHORS TRANSL)] Schenk KE, Quabbe HJ, Bittner H, Sasse H, Schroder R *Klin Wochenschr* 52: 1053-9, 15 Nov 74 (Eng)

EFFECT OF INTRAVENOUSLY ADMINISTERED GLUCOSE ON GLUCAGON AND INSULIN SECRETION DURING FAT ABSORPTION. Dobbs R, Falcona GR, Unger RH *Metabolism* 24: 69-75, Jan 75 (Eng)

THE EFFECT OF A LOW-CALORIE DIET WITH AND WITHOUT FENFLURAMINE, AND FENFLURAMINE ALONE ON THE GLUCOSE TOLERANCE AND INSULIN SECRETION OF OVERWEIGHT NON-DIABETICS. Dykes JR *Postgrad Med J* 49: 314-7, May 73 (Eng)

THE EFFECT OF A LOW-CALORIE DIET WITH AND WITHOUT FENFLURAMINE ON THE GLUCOSE TOLERANCE AND INSULIN SECRETION OF OBESE MATURITY-ONSET DIABETICS. Dykes JR *Postgrad Med J* 49: 318-24, May 73 (Eng)

POSTTRAUMATIC REGULATION OF INSULIN SECRETION IN ADAPTED RATS. Vigas M, Nemeth S, Jurcovicova J *Physiol Bohemoslov* 23: 245-9, 1974 (Eng)

THE EFFECT OF STARVATION ON INSULIN SECRETION AND GLUCOSE METABOLISM IN MOUSE PANCREATIC ISLETS. Hedeskov CJ, Capito K *Biochem J* 140: 423-33, Jun 74 (Eng)

INSULIN SECRETORY RESPONSE

THE IMMEDIATE INSULIN SECRETORY RESPONSE OF THE ISOLATED PERFUSED RAT PANCREAS TO TOLBUTAMIDE AND GLUCOSE. Lenzen S *FEBS Lett* 49: 407-8, 1 Jan 75 (Eng)

INSULIN SECRETORY RESPONSE OF DIABETICS DURING THE PERIOD OF IMPROVEMENT OF GLUCOSE TOLERANCE TO NORMAL RANGE. Kosaka K, Hagura R, Kuzuya T, Kuzuya N *Diabetologia* 10: 775-82, Dec 74 (Eng)

INSULIN, SERUM

SERUM INSULIN, GLUCOSE, AND FREE FATTY ACIDS IN THE COW AND FETUS DURING GESTATION. Grigsby JS, Oxender WD, Hafs HD, Britt DG, Merkel RA *Proc Soc Exp Biol Med* 147: 830-4, Dec 74 (Eng)

LETTERS TO THE EDITOR: SERUM INSULIN AND GROWTH HORMONE AFTER KWASHIORKOR. Kujubi SK, Okel RM *Am J Clin Nutr* 27: 1200-1, Nov 74 (Eng)

INSULIN TOLERANCE TEST

[RESULTS OF THE STUDY OF SOMATOTROPIC FUNCTION OF THE HYPOPHYSIS WITH THE AID OF INSULIN TOLERANCE TEST IN PATIENTS WITH HYPOGONADISM] Nekrasova LV, Sokolov IaA, Marova EI *Probl Endokrinol (Mosk)* 20: 31-6, Sep-Oct 74 (Rus)

INSULINOMA

INSULINOMA. Dean AC, Smith RC *J R Coll Surg Edinb* 20: 49-53, Jan 75 (Eng)

INTELLIGENCE, LATER

VERY LOW BIRTHWEIGHT AND LATER INTELLIGENCE. Francis-Williams J, Davies PA *Dev Med Child Neurol* 16: 709-28, Dec 74 (Eng)

INTERCONVERSION

ON THE FORMATION OF ACETYL-COA FROM GLUTAMINE AND THE MUTUAL INTERCONVERSION BETWEEN OXALOACETATE AND PYRUVATE IN RABBIT RETICULOCYTES. Muller M, Thamm R, Rapoport S *FEBS Lett* 42: 279-81, 15 Jun 74 (Eng)

REGULATION OF PYRUVATE-DEHYDROGENASE INTERCONVERSION IN RAT-LIVER MITOCHONDRIA AS RELATED TO THE PHOSPHORYLATION STATE OF INTRAMITOCHONDRIAL ADENINE NUCLEOTIDES. Wieland OH, Portenhausner R *Eur J Biochem* 45: 577-88, 15 Jun 74 (Eng)

INTERMEDIATE IDENTIFICATION

THE IDENTIFICATION OF INTERMEDIATES IN THE REACTION OF PIG HEART LACTATE DEHYDROGENASE WITH ITS SUB-

STRATES. Whitaker JR, Yates DW, Bennett NG, Holbrook JJ, Gutfreund H *Biochem J* 139: 677-97, Jun 74 (Eng)

INTERMOLECULAR STERIC INTERACTION

INTERMOLECULAR STERIC INTERACTIONS AND LIPID CHAIN FLUIDITY IN PHOSPHOLIPID MULTILAYERS. A SPIN LABEL STUDY. Marsh D *Can J Biochem* 52: 631-6, Jul 74 (Eng)

INTERNAL DISEASE

[MYOCARDIAL INFARCT AS A CAUSE OF DEATH IN DIABETICS TREATED AT A HOSPITAL DEPARTMENT FOR INTERNAL DISEASES] Szale EJ *Wiad Lek* 27: 205-7, 1 Feb 74 (Pol)

INTESTINE

[INTESTINE AND LIVER-PROTECTIVE THERAPY] Kremer H *Z Allgemeinmed* 50: 1252-5, 10 Oct 74 (Ger)

INTRAPANCREATIC EFFECT

EFFECT OF INTRAPANCREATIC ADMINISTRATION OF CALCIUM UPON GLUCAGON SECRETION IN DOGS. Ohneda A, Matsuda K, Horigome K, Ishii S, Yamagata S *Tohoku J Exp Med* 113: 301-11, Aug 74 (Eng)

INTRAUTERINE DEVELOPMENT

[EFFECT OF THE CONDITIONS OF INTRAUTERINE DEVELOPMENT ON THE ESTABLISHMENT OF EXTERNAL RESPIRATION AFTER BIRTH] Poliakov GP, Finkel ML, Akush Ginekol (Mosk) 41-5, Mar 74 (Rus)

INTRAUTERINE GROWTH

MACROGLOSSIA, TRANSIENT NEONATAL DIABETES MELLITUS AND INTRAUTERINE GROWTH FAILURE: A NEW DISTINCT ENTITY. Dacou-Voutetakis C, Anagnostakis D, Xanthou M *Pediatrics* 55: 127-31, Jan 75 (Eng)

INTRAVASCULAR COAGULATION, DISSEMINATED

[BONE-MARROW TOXICITY, LACTIC ACIDOSIS, AND DISSEMINATED INTRAVASCULAR COAGULATION FOLLOWING PHENFORMIN MEDICATION] Riedler GF, Keusch G, Schmid M *Schweiz Med Wochenschr* 104: 1160-6, 17 Aug 74 (Ger)

INTRAVENOUS FEEDING, TOTAL

TECHNIQUES OF TOTAL INTRAVENOUS FEEDING: A COMMENT TO THE PAPER BY F. JARRETT. Goschke H *Prog Surg* 13: 138-40, 1974 (Eng)

ION TRANSPORT

THE ENERGY BARRIERS TO ION TRANSPORT BY NONACTIN ACROSS THIN LIPID MEMBRANES. Hladky SB *Biochim Biophys Acta* 352: 71-85, 30 May 74 (Eng)

IONOPHORE TURNOVER

TURNOVER NUMBERS FOR IONOPHORE-CATALYZED CATION TRANSPORT ACROSS THE MITOCHONDRIAL MEMBRANE. Haynes DH, Wiens T, Pressman BC *J Membr Biol* 18: 23-38, 1974 (Eng)

ISCHEMIC LOWER EXTREMITY

FEMOROPERONEAL BYPASS: EVALUATION OF POTENTIAL FOR REVASCUARIZATION OF THE SEVERELY ISCHEMIC LOWER EXTREMITY. Reichle FA, Tyson RR *Ann Surg* 181: 182-5, Feb 75 (Eng)

ISCHEMIC THROMBOTIC DISEASE

THE ASSESSMENT OF INSULIN, GLUCOSE AND LIPIDS IN ISCHEMIC THROMBOTIC CEREBROVASCULAR DISEASE. Gertler MM, Leetma HE, Koutrouby RJ, Johnson ED *Stroke* 6: 77-84, Jan-Feb 75 (Eng)

ISLET

INHIBITION OF GLUCAGON SECRETION BY GLUCOSE AND GLYCERALDEHYDE ON ISOLATED ISLETS OF WISTAR RATS. Hahn HJ, Ziegler M, Mohr E *FEBS Lett* 49: 100-2, 1 Dec 74 (Eng)

PROCEEDINGS: THE FREEZE-ETCHING APPROACH TO THE STUDY OF ISLET PATHOPHYSIOLOGY IN DIABETES. Orci L *J Clin Pathol* 27: 928, Nov 74 (Eng)

ISLET BETA CELL

EFFECT OF A LOW DOSE OF ALLOXAN ON BLOOD GLUCOSE, ISLET BETA CELL GRANULATION, BODY WEIGHT, AND INSULIN RESISTANCE OF OB/OB MICE. Solomon J, Bulkley RJ, Mayer J *Diabetologia* 10: 709-15, Dec 74 (Eng)

ISLET CELL HYPERPLASIA

NEONATAL HYPOGLYCAEMIA CAUSED BY ISLET CELL HYPERPLASIA. A CASE REPORT. Haasbroek AC, Venter ID *S Afr J Surg* 12: 251-3, Dec 74 (Eng)

ISLET OF LANGERHANS

HISTOGENESIS OF THE ISLETS OF LANGERHANS IN MALATHION-TREATED CHICK EMBRYOS. Arsenaault AL, Gibson MA *Can J Zool* 52: 1541-4, Dec 74 (Eng)

L-ISOLEUCINE

[SPEED OF IRREVERSIBLE IN VIVO DEGRADATION OF FREE L-ISOLEUCINE. EFFECT OF GROWTH HORMONE] Wellers G, Chevan J *C R Acad Sci [D] (Paris)* 277: 2735-8, 17 Dec 74 (Fre)

ISOTOPE TRAPPING METHOD

DETERMINATION OF THE RATE OF HEXOKINASE-GLUCOSE DISSOCIATION BY THE ISOTOPE-TRAPPING METHOD. Rose IA, O'Connell EL, Litwin S *J Biol Chem* 249: 5163-8, 25 Aug 74 (Eng)

ISOXAZOLECARBOXAMIDOALKYL BENZOLESULFONYLUREA

[ISOXAZOLECARBOXAMIDOALKYL-BENZOLESLFONYLUREA, SEMICARBAZIDE AND -AMINOPYRIMIDINE AS WELL AS RELATED COMPOUNDS AND THEIR BLOOD SUGAR REDUCING ACTIVITY] Plumpe H, Horstmann H, Puls W *Arzneim Forsch* 24: 363-74, Mar 74 (Ger)

JAPANESE

RACIAL VARIATION IN DIABETES MELLITUS IN JAPANESE AND CAUCASIANS LIVING IN HAWAII. Goodman MJ, Chung CS, Gilbert F *J Med Genet* 11: 328-34, Dec 74 (Eng)

JEJUNAL ABSORPTION

EDITORIAL: JEJUNAL ABSORPTION OF HEXOSE IN INFANTS AND ADULTS. Younoszai MK *J Pediatr* 85: 446-8, Sep 74 (Eng)

JEJUNUM, HAMSTER

COMPETITION BETWEEN CARNOSINE AND OTHER PEPTIDES FOR TRANSPORT BY HAMSTER JEJUNUM IN VITRO. Addison JM, Matthews DM, Burston D *Clin Sci Mol Med* 46: 707-14, Jun 74 (Eng)

JEJUNUM, HUMAN

FUNCTIONAL DIFFERENTIATION OF HUMAN JEJUNUM AND ILEUM: A COMPARISON OF THE HANDLING OF GLUCOSE, PEPTIDES, AND AMINO ACIDS. Silk DB, Webb JP, Lane AE, Clark ML, Dawson AM *Gut* 15: 444-9, Jun 74 (Eng)

JUVENILE DIABETIC

EQUAL INCIDENCE OF ADULT-ONSET DIABETES AMONG ANCESTORS OF JUVENILE DIABETICS AND NONDIABETICS. Mac Donald MJ *Diabetologia* 10: 767-73, Dec 74 (Eng)

KETOACIDOSIS

LACTICACIDOSIS, KETOACIDOSIS, AND HYPERALANINAEMIA IN A PHENFORMIN-TREATED DIABETIC PATIENT. Ball S, Woods HF, Alberti KG *Br Med J* 4: 699-700, 21 Dec 74 (Eng)

KETONE BODY

RENAL CONSERVATION OF KETONE BODIES DURING STARVATION. Sapir DG, Owen OE *Metabolism* 24: 23-33, Jan 75 (Eng)

KETOSIS

A STUDY OF THE EFFECTS OF NICOTINIC ACID IN CATTLE, WITH SPECIAL REFERENCE TO KETOSIS THERAPY. Nurmio P, Roine K, Juokslahhti T, Loman A *Nord Vet Med* 26: 370-81, Jun 74 (Eng)

KETOSIS, BOVINE

BOVINE KETOSIS. II. THERAPY AND BIOLOGICAL FACTORS OF SIGNIFICANCE FOR RECOVERY. Jonsgard K, Hansen MA, Sognen E, Overby I *Nord Vet Med* 26: 362-9, Jun 74 (Eng)

BOVINE KETOSIS: A REVIEW WITH RECOMMENDATIONS FOR CONTROL AND TREATMENT. Baird GD, Heitzman RJ, Hibbitt KG, Hunter GD *Br Vet J* 130: 214-20, May-Jun 74 (Eng) [20]

KETOSIS, COW

[BIOCHEMICAL AND MORPHOLOGICAL STUDIES OF THE BLOOD AND LIVER IN COWS WITH KETOSIS] Simionov S, Dimitrov A, Stoi-anov Kh *Vet Med Nauki* 11: 10-22, 1974 (Bul)

KIDNEY

PROCEEDINGS: THE KIDNEY IN DIABETES MELLITUS. Brewer DB *J Clin Pathol* 27: 928, Nov 74 (Eng)

[THE HEMANGIOEPERICYTOMA OF THE KIDNEY (AUTHORS TRANSL.)] Ludwig G, Nuri M, Peters HJ, Munzenmeier R *Urologe [A]* 13: 284-8, Nov 74 (Ger)

STREPTOZOTOCIN-DIABETES IN THE CHINESE HAMSTER. LONG-TERM EFFECTS ON THE LIGHT MICROSCOPIC STRUCTURE OF THE PANCREATIC ISLET TISSUE, LIVER AND KIDNEY. Wilander E *Acta Pathol Microbiol Scand [A]* 82: 767-76, Nov 74 (Eng)

KIDNEY, DOG

THE IN VIVO LOCALIZATION OF HIGH-AFFINITY PHLORIZIN RECEPTORS TO THE BRUSH BORDER SURFACE OF THE PROXIMAL TUBULE IN DOG KIDNEY. Silverman M *Biochim Biophys Acta* 339: 92-102, 26 Feb 74 (Eng)

KIDNEY FAILURE

[HYPOGLYCEMIC SULFONAMIDES, KIDNEY FAILURE AND HYPOGLYCEMIC COMA] Akoun G, Beucler A, Pignard P *Cah Med* 15: 333-6, 15 Jun 74 (Fre)

KIDNEY, HUMAN

[QUANTITATIVE PATHOMORPHOLOGY OF THE GLOMERULI IN THE HUMAN KIDNEY] Wehner H *Veroeff Morphol Pathol* 1-67, 1974 (Ger)

KIDNEY INFECTION, ASYMPTOMATIC

LETTER: ASYMPTOMATIC KIDNEY AND URINARY TRACT INFECTION IN INDIAN DIABETICS. Anonymous *J Assoc Physicians India* 22: 633-4, Aug 74 (Eng)

KIDNEY, RAT

PROXIMAL TUBULAR LACTATE TRANSPORT IN RAT KIDNEY: A MICROPUNCTURE STUDY. Hohmann B, Frohnert PP, Kiene R, Baumann K *Kidney Int* 5: 261-70, Apr 74 (Eng)

KINASE, PHOSPHOGLYCERATE

BINDING OF MNADP-TO PHOSPHOGLYCERATE KINASE. Chapman BE, OSullivan WJ, Scopes RK, Reed GH *FEBS Lett* 41: 189-91, 1 May 74 (Eng)

KINASE, PYRUVATE

THE INFLUENCE OF LIGANDS ON THE FLUORESCENCE OF THE COMPLEX BETWEEN 8-ANILINO-1-NAPHTHALENE SULFONATE AND PYRUVATE KINASE OF NEUROSPORA. Kapoor M *Can J Biochem* 52: 599-609, Jul 74 (Eng)

THE PREPARATION AND PROPERTIES OF PYRUVATE KINASE FROM YEAST. Fell DA, Liddle PF, Peacocke AR, Dwek RA *Biochem J* 139: 665-75, Jun 74 (Eng)

KININ

KININS AND HYPOGLYCEMIC CONVULSIONS. Wisniewski K, Mackiewicz W *Pol J Pharmacol Pharm* 26: 611-5, Jul-Aug 74 (Eng)

KWASHIORKOR

PERIPHERAL BLOOD PHAGOCYTE DYSFUNCTION IN CHILDREN WITH KWASHIORKOR. Schopfer K, Murali A von *Boll Ist Sieroter Milan* 53: suppl(241-4, 1974 (Eng)

LETTERS TO THE EDITOR: SERUM INSULIN AND GROWTH HORMONE AFTER KWASHIORKOR. Kajubi SK, Okel RM *Am J Clin Nutr* 27: 1200-1, Nov 74 (Eng)

LABOR

LABOR

[COURSE OF PREGNANCY AND LABOR IN DIABETES MELLITUS] Grizanova IM, Vtorova VG. *Kush Ginekol (Mosk)* 58:62, May 74 (Rus)

LABORATORY TEST

[USE OF ELECTRONIC COMPUTERS FOR QUALITY CONTROL OF SOME LABORATORY TESTS MADE WITH CONTINUOUS-FLOW APPARATUS] Rossi E. *Quad Sclavo Diagn* 9:819-36, Sep 73 (Ita)

LACTATE DEHYDROGENASE ISOENZYME

[LACTATE DEHYDROGENASE ISOENZYMES IN THE WALL OF THE RATS AORTA IN EXPERIMENTAL STREPTOZOTOCIN-DIABETES] Wohlrab F, Gotze J. *Dtsch Z Verdau Stoffwechselkr* 34: 53-8, 1974 (Ger)

LACTATE TRANSPORT

PROXIMAL TUBULAR LACTATE TRANSPORT IN RAT KIDNEY: A MICROPUNCTURE STUDY. Hohmann B, Frohnert PP, Kinne R, Baumann K. *Kidney Int* 5: 261-70, Apr 74 (Eng)

LACTIC ACIDOSIS

LACTICACIDOSIS, KETOACIDOSIS, AND HYPERALANINAEMIA IN A PHENFORMIN-TREATED DIABETIC PATIENT. Ball S, Woods HF, Alberti KG. *Br Med J* 4: 699-700, 21 Dec 74 (Eng)

LAGOMORPHA

COMPARATIVE STUDY OF ERYTHROCYTE GLYCOLYTIC ENZYMES IN MAN AND IN TWO SPECIES OF LAGOMORPHA. (OCHOTONA RUFESCENS RUFESCENS AND ORYCTOLAGUS CUNICULUS). Puget A, Vergnes H, Gouarderes C. *Can J Comp Med* 38: 314-20, Jul 74 (Eng)

LATERAL DIFFUSION

LATERAL DIFFUSION IN THE HYDROPHOBIC REGION OF MEMBRANES: USE OF PYRENE EXCIMERAS AS OPTICAL PROBES. Galla HJ, Sackmann E. *Biochim Biophys Acta* 339: 103-15, 26 Feb 74 (Eng)

LATERAL VENTRICLE

MECHANISMS OF HYPERGLYCEMIC RESPONSE TO CHLORPROMAZINE ADMINISTERED INTO LATERAL VENTRICLE IN RATS. I. POSSIBLE ROLE OF DOPAMINERGIC NERVOUS SYSTEM. Fujimori K, Iwamoto T. *Neuropharmacology* 13: 245-54, Apr 74 (Eng)

MECHANISMS OF HYPERGLYCEMIC RESPONSE TO CHLORPROMAZINE ADMINISTERED INTO LATERAL VENTRICLE IN RATS. II. SECRETION OF EPINEPHRINE FROM ADRENAL MEDULLA. Fujimori K, Iwamoto T. *Neuropharmacology* 13: 255-60, Apr 74 (Eng)

LECITHIN

THE STOICHIOMETRY AND DYNAMICS OF LECITHIN-CHOLESTEROL CLUSTERS IN BILAYER MEMBRANES. Phillips MC, Finner EG. *Biochim Biophys Acta* 356: 199-206, 31 Jul 74 (Eng)

LECITHIN CHOLESTEROL CLUSTER

THE STOICHIOMETRY AND DYNAMICS OF LECITHIN-CHOLESTEROL CLUSTERS IN BILAYER MEMBRANES. Phillips MC, Finner EG. *Biochim Biophys Acta* 356: 199-206, 31 Jul 74 (Eng)

LECITHIN LIPOSOME

POLYENE ANTIBIOTIC-STEROL INTERACTIONS IN MEMBRANES OF ACHOLEPLASMA LAIDLAWII CELLS AND LECITHIN LIPOSOMES. I. SPECIFICITY OF THE MEMBRANE PERMEABILITY CHANGES INDUCED BY THE POLYENE ANTIBIOTICS. Kruijff B de, Gerritsen WJ, Oerlemans A, Demel RA, Deenen LL van. *Biochim Biophys Acta* 339: 30-43, 26 Feb 74 (Eng)

POLYENE ANTIBIOTIC-STEROL INTERACTIONS IN MEMBRANES OF ACHOLEPLASMA LAIDLAWII CELLS AND LECITHIN LIPOSOMES. II. MOLECULAR STRUCTURE OF THE POLYENE ANTIBIOTIC-CHOLESTEROL COMPLEXES. Kruijff B de, Demel RA. *Biochim Biophys Acta* 339: 57-70, 26 Feb 74 (Eng)

POLYENE ANTIBIOTIC-STEROL INTERACTIONS IN MEMBRANES OF ACHOLEPLASMA LAIDLAWII CELLS AND LECITHIN LIPOSOMES. III. TEMPERATURE DEPENDENCE OF THE POLYENE ANTIBIOTIC-STEROL COMPLEX FORMATION. Kruijff B de, Gerritsen WJ, Oerlemans A, Dijk PW van, Demel RA, Deenen LL van. *Biochim Biophys Acta* 339: 44-56, 26 Feb 74 (Eng)

LECTURE, SIR HENRY DALE

PROCEEDINGS: VARIETIES OF INSULIN. THE SIR HENRY DALE LECTURE FOR 1974. Hodgkin DC. *J Endocrinol* 63: 3p-14p, Nov 74 (Eng)

LEPROSY

[CORTISONE DIABETES AND DIABETES IN DERMATOLOGY AND LEPROSY] El Amile A. *Maroc Med* 54: 294-303, May 74 (Fre)

LEUCINE

INCORPORATION RATE OF LEUCINE INTO PROTEINS IN HUMAN LIVER SLICES. Stakeberg H, Gustafson A, Schersten T. *Eur J Clin Invest* 4: 393-8, 5 Dec 74 (Eng)

LEUCINE EFFECT

FAILURE OF 6-AMINONICOTINAMIDE TO INHIBIT THE POTENTIATING EFFECT OF LEUCINE AND ARGININE ON GLUCOSE-INDUCED INSULIN RELEASE IN VITRO. MacDonald MJ, Ammon HP, Patel T, Steinke J. *Diabetologia* 10: 761-5, Dec 74 (Eng)

EFFECTS OF BICYCLIC LEUCINE ANALOGUES ON INSULIN RELEASE FROM THE PERFUSED RAT PANCREAS AND FLUORESCENCE OF REDUCED PYRIDINE NUCLEOTIDES FROM PERFUSED PANCREATIC ISLETS. Jost HG, Panten U, Ishida H, Poser W, Hasselblatt A. *Life Sci* 16: 247-54, 15 Jan 75 (Eng)

LEUCINE-C14 INCORPORATION

[LEUCINE-C14 INCORPORATION INTO RAT SOMATOTROPIC HORMONE DEPENDING ON THE LEVEL OF THYROID HORMONES IN THE BODY] Martynenko FP, Rozhko OT, Novikova NP. *Probl Endokrinol (Mosk)* 20: 107-10, Jan-Feb 74 (Rus)

LEUKEMIA

[CHRONIC MYELOID LEUKEMIA IN A 35 YEAR OLD PETROLEUM CHEMIST, HANDLING BENZENE SINCE THE AGE OF 18 YEARS] Liaudet J, Combaz M. *Eur J Toxicol* 6: 309-13, Nov-Dec 73 (Fre)

LEUKOCYTE

[CHANGES INDUCED BY THEOPHYLLINE IN VITRO ON THE GLYCOGEN CONTENT, CARBOHYDRATE METABOLISM AND FINALLY ON THE PHAGOCYTIC AND BACTERICIDAL ACTIVITY OF POLYNUCLEAR LEUKOCYTES] Henon M, Launay A, Delaunay A. *C R Acad Sci [D] (Paris)* 278: 521-4, 21 Jan 74 (Fre)

LEUKOCYTE, HUMAN

NITROBLUE TETRAZOLIUM (NBT)-DYE TEST AND THE MYELOPEROXIDASE REACTION OF HUMAN LEUKOCYTES. Okuda K, Tadokoro I, Noguchi Y. *Jpn J Microbiol* 18: 337-42, Sep 74 (Eng)

LEUKOCYTE METABOLISM

PERTURBATION OF LEUKOCYTE METABOLISM BY NONPHAGOCYTOSABLE CONCAVALIN A-COUPLED BEADS. Romeo D, Jug M, Zabucchi G, Rossi F. *FEBS Lett* 42: 90-3, 15 May 74 (Eng)

LIGAND

THE INFLUENCE OF LIGANDS ON THE FLUORESCENCE OF THE COMPLEX BETWEEN 8-ANILINO-1-NAPHTHALENE SULFONATE AND PYRUVATE KINASE OF NEUROSPORA. Kapoor M. *Can J Biochem* 52: 599-609, Jul 74 (Eng)

LIPASE

HETEROGENEITY OF TRIGLYCERIDE LIPASE OF RAT ADIPOCYTES. COMPARISON OF TRIGLYCERIDE AND MONOGLYCERIDE LIPASE ACTIVITIES IN SOLUBLE AND PARTICULATE FRACTIONS. Chmelarova M, Chmelar M. *Eur J Biochem* 44: 235-42, 2 May 74 (Eng)

LIPASE, LIPOPROTEIN

STEREOSPECIFICITY OF LIPASES. ENZYMIC HYDROLYSIS OF ENANTIOMERIC ALKYL DIACYLGLYCEROLS BY LIPOPROTEIN LIPASE, LINGUAL LIPASE AND PANCREATIC LIPASE. Paltauf F, Esfandi F, Holasek A. *FEBS Lett* 40: 119-23, 15 Mar 74 (Eng)

LIPASE, PANCREATIC

STEREOSPECIFICITY OF LIPASES. ENZYMIC HYDROLYSIS OF ENANTIOMERIC ALKYL DIACYLGLYCEROLS BY LIPOPROTEIN LIPASE, LINGUAL LIPASE AND PANCREATIC LIPASE. Paltauf F, Esfandi F, Holasek A. *FEBS Lett* 40: 119-23, 15 Mar 74 (Eng)

LIPASE SPECIFICITY

[STUDIES ON THE GLYCERIDE STRUCTURE OF FATS. 6. STUDIES WITH SYNTHETIC TRIGLYCERIDES ON THE FATTY ACIDS SPECIFICITY OF LIPASE OF GEOTRICHUM CANDIDUM] Franzke C, Kroll J, Petzold R. *Nahrung* 17: 171-84, 1973 (Ger)

LIPID

[CARBOHYDRATES OR LIPIDS] Lutz W *Z Allgemeinmed* 50: 981-3, 10 Aug 74 (Ger)

BASAL METABOLIC RATE AND LIPID AND LIVER GLYCOGEN IN MICE INFECTED BY THE NEMATODE NEMATOSPIROIDES DUBIUS. Symons LE, Jones WO *Int J Parasitol* 4: 301-5, Jun 74 (Eng)

LIPID CHANGES IN THYROID DISEASE: THE EFFECT OF THYROIDINE AND ANALOGUES. Tulloch BR *Proc R Soc Med* 67: 670-1, Jun 74 (Eng) [24]

LIPIDS AND MEMBRANES. Lucy JA *FEBS Lett* 40: suppl 105-11, 23 Mar 74 (Eng) [45]

RECOMBINATION OF HUMAN ERYTHROCYTE APOPROTEIN AND LIPID. II. VISUALIZATION OF APOPROTEIN-LIPID BILAYER COMPLEX BY FREEZE-ETCHING. Wehrli E, Morse PD *J Supramol Struct* 2: 71-8, 1974 (Eng)

[EFFECT OF HYDROCORTISONE, THYROIDINE AND ALLOXAN DIABETES ON THE INCORPORATION OF THE LABELLED ACETATE-1-C14 INTO THE LIPIDS OF THE ADRENAL GLANDS AND TESTIS IN RATS] Kheidemanis KK, Petushkova TN *Probl Endokrinol (Mosk)* 20: 100-4, Sep-Oct 74 (Rus)

THE ASSESSMENT OF INSULIN, GLUCOSE AND LIPIDS IN ISCHEMIC THROMBOTIC CEREBROVASCULAR DISEASE. Gertler MM, Lectma HE, Koutrouby RJ, Johnson ED *Stroke* 6: 77-84, Jan-Feb 75 (Eng)

LIPID ACCEPTOR

LIPID ACCEPTOR IN UDPGLUCURONIC ACID METABOLISM IN RAT LIVER MICROSOMES. Puhakainen E, Hanninen O *FEBS Lett* 39: 144-8, 15 Feb 74 (Eng)

LIPID BILAYER

A MODEL FOR PHASE TRANSITIONS IN LIPID BILAYERS AND BIOLOGICAL MEMBRANES. Scott HL Jr *J Theor Biol* 46: 241-53, Jul 74 (Eng)

RECOMBINATION OF HUMAN ERYTHROCYTE APOPROTEIN AND LIPID. II. VISUALIZATION OF APOPROTEIN-LIPID BILAYER COMPLEX BY FREEZE-ETCHING. Wehrli E, Morse PD *J Supramol Struct* 2: 71-8, 1974 (Eng)

THE RATE OF CHOLESTEROL FLIP-FLOP IN LIPID BILAYERS AND ITS RELATION TO MEMBRANE STEROL POOLS. Smith RJ, Green C *FEBS Lett* 42: 108-11, 15 May 74 (Eng)

LIPID BILAYER MEMBRANE

THE STRUCTURE AND FUNCTION OF AMPHOTERICIN B-CHOLESTEROL PORES IN LIPID BILAYER MEMBRANES. Andreoli TE *Ann NY Acad Sci* 235: 448-68, 10 May 74 (Eng)

LIPID CHAIN FLUIDITY

INTERMOLECULAR STERIC INTERACTIONS AND LIPID CHAIN FLUIDITY IN PHOSPHOLIPID MULTILAYERS. A SPIN LABEL STUDY. Marsh D *Can J Biochem* 52: 631-6, Jul 74 (Eng)

LIPID, DIETARY

[DIGESTION, ABSORPTION AND DISTRIBUTION OF DIETARY LIPIDS] Ghirardi P, Marzo A *Recent Prog Med (Roma)* 53: 552-64, Dec 72 (Ita)

LIPID EFFECT

EFFECT OF LIPIDS ON GLUCAGON SECRETION IN MAN. Andrews SS, Lopez-S A, Blackard WG *Metabolism* 24: 35-44, Jan 75 (Eng)

LIPID ENVIRONMENT

COMPLETE CONTROL OF THE LIPID ENVIRONMENT OF MEMBRANE-BOUND PROTEINS: APPLICATION TO A CALCIUM TRANSPORT SYSTEM. Warren GB, Toon PA, Birdsall NJ, Lee AG, Metcalfe JC *FEBS Lett* 41: 122-4, 15 Apr 74 (Eng)

LIPID METABOLISM

STUDIES ON THE LIPID METABOLISM USING 14C-1-PALMITATE IN FETAL RATS. Hummel L, Schirmeister W, Zimmermann T, Wagner H *Biol Neonate* 24: 289-305, 1974 (Eng)

[AGE CHARACTERISTICS OF LIPID METABOLISM IN HEALTHY PERSONS AND ARTERIOSCLEROTIC PATIENTS] Korneenkova AA, Romanova EV, Surtayev EB, Kontina MN *Kardiologia* 14: 122-4, May 74 (Rus)

CARBOHYDRATE AND LIPID METABOLISM IN THE NEWBORN INFANT. Persson B *Acta Anaesthesiol Scand [Suppl]* 50-7, 1974 (Eng)

LIPID MULTILAYER

CHARGE INJECTION AND CHARGE STORAGE IN LIPID MULTILAYERS. Lundstrom I, Stenberg M *Chem Phys Lipids* 12: 287-302, Jul 74 (Eng)

LIPID, PLASMA

PLASMA LIPID VALUES IN CHILDHOOD OBESITY. Court JM, Dunlop M, Leonard RF *Gastrointest Endosc* 21: 10-4, Aug 74 (Eng)

LIPID, SERUM

[CONCERNING THE RELATIONSHIP BETWEEN SERUM LIPIDS AND LIVER STEATOSIS IN DIABETIC RETINOPATHY AND NEPHROPATHY (AUTHORS TRANSL)] Kolesar P, Brixova E, Tomik F *Bratisl Lek Listy* 62: 662-9, Dec 74 (Slo)

CHANGES IN GLUCOSE TOLERANCE, INSULIN, SERUM LIPIDS AND LIPOPROTEINS IN PATIENTS WITH RENAL FAILURE ON INTERMITTENT HAEMODIALYSIS. Arora KK, Atkinson MK, Trafford JA, Sheldon J, Nunn R *Postgrad Med J* 49: 293-6, May 73 (Eng)

LIPOTROPIC DIABETES

[LIPOATROPHIC DIABETES WITH FAT MALABSORPTION (AUTHORS TRANSL)] Imaiwaru M, Takeuchi A, Yamaji T, Kitamura T, Akanuma Y *J Jpn Soc Intern Med* 63: 656-62, 10 Jul 74 (Jpn)

LETTER: MANAGEMENT OF LIPOATROPHIC DIABETES. Upton GV, Corbin A, Mabry CC, Hollingsworth DR *N Engl J Med* 292: 592, 13 Mar 75 (Eng)

LIPOGENESIS

THE INFLUENCE OF BODY WEIGHT AND CELL SIZE ON LIPOGENESIS AND LIPOLYSIS OF ISOLATED RAT FAT CELLS. Hansen FM, Nielsen JH, Gilemann J *Eur J Clin Invest* 4: 411-8, 5 Dec 74 (Eng)

LIPOLYSIS

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LIPOTROPIC HORMONE

Ratzmann KP, Meyer LW, Riemer D *Z Gesamte Inn Med* 29: 410-3, 15 May 74 (Ger)

EFFECT OF ESTRADIOL ON LIPOLYSIS AND ADENOSINE 3,5-MONOPHOSPHATE ACCUMULATION IN ISOLATED RAT ADIPOCYTES. Mitznegg P, Estler CJ, Schubert E *Biochem Pharmacol* 23: 2337-9, 15 Aug 74 (Eng)

HORMONAL CONTROL OF LIPOLYSIS. Galton DJ *Proc R Soc Med* 67: 661-2, Jun 74 (Eng)

LIPOLYSIS RELATION OF THE ADIPOSE TISSUE MASS IN OBESE INDIVIDUALS. ITS MODIFICATION BY EPINEPHRINE. Portugal-Alvarez J, Perezagua-Clamagrand C, Velez-Martin A *Pol J Pharmacol Pharm* 26: 325-8, May-Jun 74 (Eng)

THE STEREOSSELECTIVE INHIBITION OF LIPOLYSIS BY NONPHENOLIC PHENETHYLAMINES. Fauley JJ, Feller DR, LaPrid JB *Eur J Pharmacol* 27: 136-40, Jun 74 (Eng)

THE INFLUENCE OF BODY WEIGHT AND CELL SIZE ON LIPOGENESIS AND LIPOLYSIS OF ISOLATED RAT FAT CELLS. Hansen FM, Nielsen JH, Gilemann J *Eur J Clin Invest* 4: 411-8, 5 Dec 74 (Eng)

LIPOLYTIC ACTIVITY

EFFECT OF CLOFIBRATE ADMINISTRATION ON PLASMA POST-HEPARIN LIPOLYTIC ACTIVITY IN MAN. Maruhama Y, Yanbe A, Abe R, Oneda A, Yamagata S *Tohoku J Exp Med* 113: 343-9, Aug 74 (Eng)

LIPOLYTIC ENZYME

[EFFECT OF LOW-CALORIE DIET ON LIPOLYTIC ENZYMES AND OTHER INDEXES AND PSYCHOLOGICAL BEHAVIOR OF CHILDREN WITH ORDINARY OBESITY] Szczepski O, Walczak M, Korman E, Socha J, Waligora A, Waligora Z *Endokrynol Pol* 25: 31-42, Jan-Feb 74 (Pol)

LIPOMOBILIZING BLOOD FACTOR

[LIPOMOBILIZING FACTOR OF BLOOD IN THE PATHOGENESIS OF HYPERLIPIDEMIA IN EXPERIMENTAL DIABETES MELLITUS] Tishenina RS *Probl Endokrinol (Mosk)* 20: 95-9, Sep-Oct 74 (Rus)

LIPOPHILIC FRAGMENT

ASSOCIATION OF GLYCOPROTEINS WITH THE MEMBRANES. II. ISOLATION AND PARTIAL CHARACTERIZATION OF LIPOPHILIC FRAGMENT FROM HUMAN ERYTHROCYTE MEMBRANE GLYCOPROTEIN. Javadi JJ, Winkler RJ *Biochemistry* 13: 3639-42, 27 Aug 74 (Eng)

LIPOPROTEIN

CHANGES IN GLUCOSE TOLERANCE, INSULIN, SERUM LIPIDS AND LIPOPROTEINS IN PATIENTS WITH RENAL FAILURE ON INTERMITTENT HAEMODIALYSIS. Arora KK, Atkinson MK, Trafford JA, Sheldon J, Nunn R *Postgrad Med J* 49: 293-6, May 73 (Eng)

LIPOPROTEIN, HIGH DENSITY

INTERACTION OF HUMAN SERUM HIGH DENSITY LIPOPROTEINS WITH TRIGLYCERIDES IN VITRO. Koren E, Marie Z, Milkovic S *FEBS Lett* 44: 43-9, 15 Aug 74 (Eng)

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LIQUID CHROMATOGRAPHY

THE CARBOXYL-MODIFIED HORMONES. Gilardeau C, Chretien M, Lis M *Can J Physiol Pharmacol* 52: 723-6, Jun 74 (Eng)

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YEAST HEXOKINASE REACTION WITH ADENOSINE 5-O-TRIPHOSPHATE AND ADENOSINE 5-O-(1-THIO-TRIPHOSPHATE) MONITORED BY LIQUID CHROMATOGRAPHY. Stahl KW, Schlimme, Eckstein F *FEBS Lett* 40: 241-6, 1 Apr 74 (Eng)

LIVER

BINDING OF CONCAVALIN A-SEPHAROSE TO GLYCOPROTEINS OF LIVER MICROSOMAL MEMBRANES. Winqvist L, Eriksson LC, Dallner G *FEBS Lett* 42: 27-31, 15 May 74 (Eng)

[MORPHOLOGICAL CHANGES OF THE LIVER IN METABOLIC DISORDERS] Wohlgemuth B *Dtsch Z Verdau Stoffwechselkr* 34: 17-22, 1974 (Ger)

GLUCAGON AND THE PANCREAS, LIVER AND BILE DUCTS. Barbezat GO *S Afr J Surg* 12: 213-7, Dec 74 (Eng)

[BIOCHEMICAL AND MORPHOLOGICAL STUDIES OF THE BLOOD AND LIVER IN COWS WITH KETOSIS] Simeonov S, Dimitrov A, Stoiyanov Kh *Vet Med Nauki* 11: 10-22, 1974 (Bul)

STREPTOZOTOCIN-DIABETES IN THE CHINESE HAMSTER. LONG-TERM EFFECTS ON THE LIGHT MICROSCOPIC STRUCTURE OF THE PANCREATIC ISLET TISSUE, LIVER AND KIDNEY. Wilander E *Acta Pathol Microbiol Scand* [A] 82: 767-76, Nov 74 (Eng)

REGULATORY MECHANISMS FOR LIVER ACETYL COENZYME A CARBOXYLASE. Numa S, Hashimoto T, Nakanishi S, Okazaki T *Biochem Soc Symp* 27-39, 1972 (Eng)

LIVER CELL MEMBRANE

THE INTERACTION OF VASOACTIVE INTESTINAL POLYPEPTIDE AND SECRETIN WITH LIVER-CELL MEMBRANES. Desbuquois B *Eur J Biochem* 46: 439-50, 1 Aug 74 (Eng)

LIVER CELL, RAT

GROWTH CONTROL IN PRIMARY FETAL RAT LIVER CELLS IN CULTURE. Paul D, Walter S *J Cell Physiol* 85: 113-23, Feb 75 (Eng)

LIVER, FATTY

[BEHAVIOR OF THE FATTY ACID PATTERN OF TRIGLYCERIDES IN LIVER PARENCHYMA AND DEPOT FATS IN DIABETIC PATIENTS IN RELATION TO FATTY LIVER] Singer P, Gnauck G, Thoeke H, Honigsmann G, Buntrock P, Kettler LH *Dtsch Z Verdau Stoffwechselkr* 34: 27-35, 1974 (Ger)

LIVER GLYCOGEN

BASAL METABOLIC RATE AND LIPID AND LIVER GLYCOGEN IN MICE INFECTED BY THE NEMATODE NEMATOSPIROIDES DUBIUS. Symons LE, Jones WO *Int J Parasitol* 4: 301-5, Jun 74 (Eng)

LIVER, HUMAN

INCORPORATION RATE OF LEUCINE INTO PROTEINS IN HUMAN LIVER SLICES. Stakeberg H, Gustafson A, Schersten T *Eur J Clin Invest* 4: 393-8, 5 Dec 74 (Eng)

LIVER MITOCHONDRIA, GUINEA PIG

INTERRELATIONSHIP BETWEEN PHOSPHOENOLPYRUVATE AND CITRULLINE SYNTHESIS IN GUINEA PIG LIVER MITOCHONDRIA. Bryla J, Zaleski J, Kubica A *Acta Biochim Pol* 21: 199-211, 1974 (Eng)

REGULATION OF METABOLIC TRANSPORT IN RAT AND GUINEA PIG LIVER MITOCHONDRIA BY LONG CHAIN FATTY ACYL COENZYME A ESTERS. Shrago E, Shug A, Elson C, Spennetta T, Crosby C *J Biol Chem* 249: 5269-74, 25 Aug 74 (Eng)

LIVER PARENCHYMA

[BEHAVIOR OF THE FATTY ACID PATTERN OF TRIGLYCERIDES IN LIVER PARENCHYMA AND DEPOT FATS IN DIABETIC PATIENTS IN RELATION TO FATTY LIVER] Singer P, Gnauck G, Thoeke H, Honigsmann G, Buntrock P, Kettler LH *Dtsch Z Verdau Stoffwechselkr* 34: 27-35, 1974 (Ger)

LIVER PROTECTIVE THERAPY

[INTESTINE AND LIVER-PROTECTIVE THERAPY] Kremer H *Z Allgemeinmed* 50: 1252-5, 10 Oct 74 (Ger)

LIVER STEATOSIS

[CONCERNING THE RELATIONSHIP BETWEEN SERUM LIPIDS AND LIVER STEATOSIS IN DIABETIC RETINOPATHY AND NEPHROPATHY (AUTHORS TRANSL.)] Kolesar P, Brixova E, Tomik F *Bratisl Lek Listy* 62: 662-9, Dec 74 (Slo)

LOAD

[THE EFFECT OF INTERMITTENT TRAINING LOADS ON BLOOD CHARACTERISTICS IN TROTTERS (AUTHORS TRANSL.)] Krzywanek H, Schulze A, Wittke G *Eur J Appl Physiol* 32: 329-40, 1974 (Ger)

LOCUST

ACYLATION OF MONOGLYCERIDES BY LOCUST FAT-BODY MICROSOMES. Peled Y, Tietz A *FEBS Lett* 41: 65-8, 15 Apr 74 (Eng)

LONG CHAIN

AN APPRAISAL OF THE FUNCTIONAL SIGNIFICANCE OF THE INHIBITORY EFFECT OF LONG CHAIN ACYL-COAS ON MITOCHONDRIAL TRANSPORTS. Morel F, Lauquin G, Lumardi J, Duszynski J, Vignais PV *FEBS Lett* 39: 133-8, 15 Feb 74 (Eng)

REGULATION OF METABOLIC TRANSPORT IN RAT AND GUINEA PIG LIVER MITOCHONDRIA BY LONG CHAIN FATTY ACYL COENZYME A ESTERS. Shrago E, Shug A, Elson C, Spennetta T, Crosby C *J Biol Chem* 249: 5269-74, 25 Aug 74 (Eng)

LONG DURATION

FACTORS INFLUENCING THE PROGNOSIS OF VASCULAR DISEASE IN INSULIN-DEFICIENT DIABETES OF LONG DURATION: A SEVEN-YEAR FOLLOW-UP. Martin FL, Warne GL *Metabolism* 24: 1-9, Jan 75 (Eng)

LONG TERM

MULTIPHASIC SCREENING PROGRAMME FOR SOMATIC DISEASES AMONG ELDERLY LONG-TERM PSYCHIATRIC PATIENTS. Gjesdal K, Stromme JH *Br J Psychiatry* 124: 564-72, Jun 74 (Eng)

[LONG-TERM STUDY OF ESSENTIAL BLOOD CORPUSCLE SEDIMENTATION VELOCITY] Schmidt HW *Z Allgemeinmed* 50: 1221-4, 10 Oct 74 (Ger)

LONG TERM EFFECT

STREPTOZOTOCIN-DIABETES IN THE CHINESE HAMSTER. LONG-TERM EFFECTS ON THE LIGHT MICROSCOPIC STRUCTURE OF THE PANCREATIC ISLET TISSUE, LIVER AND KIDNEY. Wilander E *Acta Pathol Microbiol Scand* [A] 82: 767-76, Nov 74 (Eng)

LONG-TERM EFFECTS OF GLUCOSE ON INSULIN RELEASE AND GLUCOSE OXIDATION BY MOUSE PANCREATIC ISLETS MAINTAINED IN TISSUE CULTURE. Andersson A *Biochem J* 140: 377-82, Jun 74 (Eng)

LONG TERM INFUSION

LONG-TERM INFUSION OF GROWTH HORMONE RELEASE INHIBITING HORMONE IN ACROMEGALY: EFFECTS ON PITUITARY AND PANCREATIC HORMONES. Besser GM, Mortimer CH, McNeilly AS, Thorne MO, Batistoni GA, Bloom SR, Kastrup KW, Hanssen KF, Hall R, Coy DH, Kastin AJ, Schally AV *Br Med J* 4: 622-7, 14 Dec 74 (Eng)

LONG-LASTING RUNNING

HEART RATE AND ENERGY-YIELDING SUBSTRATES IN BLOOD DURING LONG-LASTING RUNNING. Keul J, Haralambie G, Arnold T, Schumann W *Eur J Appl Physiol* 32: 279-89, 1974 (Eng)

LOW BIRTHWEIGHT

VERY LOW BIRTHWEIGHT AND LATER INTELLIGENCE. Francis-Williams J, Davies PA *Dev Med Child Neurol* 16: 709-28, Dec 74 (Eng)

LOW CALORIE DIET EFFECT

[EFFECT OF LOW-CALORIE DIET ON LIPOLYTIC ENZYMES AND OTHER INDEXES AND PSYCHOLOGICAL BEHAVIOR OF CHILDREN WITH ORDINARY OBESITY] Szczepinski O, Walczak M, Korman E, Socha J, Waligora A, Waligora Z *Endokrynol Pol* 25: 31-42, Jan-Feb 74 (Pol)

THE EFFECT OF A LOW-CALORIE DIET WITH AND WITHOUT FENFLURAMINE, AND FENFLURAMINE ALONE ON THE GLUCOSE TOLERANCE AND INSULIN SECRETION OF OVERWEIGHT NON-DIABETICS. Dykes JR *Postgrad Med J* 49: 314-7, May 73 (Eng)

THE EFFECT OF A LOW-CALORIE DIET WITH AND WITHOUT FENFLURAMINE ON THE GLUCOSE TOLERANCE AND INSULIN SECRETION OF OBESE MATURITY-ONSET DIABETICS. Dykes JR *Postgrad Med J* 49: 318-24, May 73 (Eng)

LOWLANDER

EFFECT OF ADAPTATION TO HIGH ALTITUDE ON COMPONENTS OF BLOOD AND URINE OF LOWLANDERS COMPARED WITH HIGH ALTITUDE NATIVES. Shivastava KK, Malhotra MS *Int J Biometeorol* 18: 229-87, Dec 74 (Eng)

LUNG

INFLUENCE OF FORCED VENTILATION ON SUBSTRATE METABOLISM IN THE PERFUSED RAT LUNG. Gassenheimer LN, Rhoades RA *J Appl Physiol* 37: 224-7, Aug 74 (Eng)

LYASE

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LYMPHOID TISSUE

HORMONES AND LYMPHOID TISSUES. CONTACT SENSITIVITY AND DETECTION OF THETA-CELLS IN PITUITARY DWARF MICE. Baroni CD, Doria G *Adv Exp Med Biol* 29: 655-60, 1973 (Eng)

LYSOZYME

FLUOROMETRIC ASSAY FOR DISCRIMINATING THE STATES OF AMINO GROUPS IN INSULIN, LYSOZYME AND ASPARAGINASE WITH FLUORESCAMINE. Tamaura Y, Todokoro K, Ikebe M, Makino H, Hirose S *FEBS Lett* 50: 70-3, 15 Jan 75 (Eng)

MACACA MULATTA

THE EFFECTS OF HIGH CARBOHYDRATE DIETS ON HYPERINSULINEMIC MONKEYS (MACACA MULATTA). Hamilton CL, Kuo PT, Feng L *J Med Primatol* 3: 276-84, 1974 (Eng)

MACULAR EDEMA

APHAKIC MACULAR EDEMA: INCIDENCE AND PATHOGENESIS. Hitchings RA, Chisholm IH, Bird AC *Invest Ophthalmol* 14: 68-72, Jan 75 (Eng)

MAGNESIUM

THE ROLE OF MEMBRANE-BOUND MAGNESIUM IN THE PERMEABILITY OF GHOSTS TO K⁺. Romero PJ *Biochim Biophys Acta* 339: 116-25, 26 Feb 74 (Eng)

MALATHION

HISTOGENESIS OF THE ISLETS OF LANGERHANS IN MALATHION-TREATED CHICK EMBRYOS. Arsenaault AL, Gibson MA *Can J Zool* 52: 1541-4, Dec 74 (Eng)

MALE

SERUM CHOLESTEROL AND SERUM TRIGLYCERIDE LEVELS IN AUSTRALIAN ADOLESCENT MALES. Hickie JB, Sutton J, Russo P, Ruys J, Kraegen EW *Med J Aust* 1: 825-8, 25 May 74 (Eng)

MALFORMATION, CONGENITAL

GLUCOSE TOLERANCE IN MOTHERS OF OFFSPRING WITH CONGENITAL MALFORMATIONS. Goldman JA *Isr J Med Sci* 10: 1434-7, Nov 74 (Eng)

MALIC ENZYME

THE ROLE OF MALIC ENZYME IN ASPERGILLUS NIDULANS. McCullough W, Roberts CF *FEBS Lett* 41: 238-42, 1 May 74 (Eng)

MALTOSE

[CHANGES IN CARBOHYDRATE TOLERANCE DURING SURGERY - WITH SPECIAL REFERENCE TO COMPARISON BETWEEN GLUCOSE AND MALTOSE] Aono K, Harano K, Hirokata Y, Nakamura Y *Jpn J Anesthesiol* 23: 797-805, Sep 74 (Jpn)

MALYL COENZYME A

MALYL COENZYME A LYASE. MECHANISM OF ACTION AS DEDUCED BY KINETIC ANALYSIS. Hersh LB *J Biol Chem* 249: 5208-12, 25 Aug 74 (Eng)

MAMMARY TUMOR

[REGULATION OF ESTROGEN RECEPTORS IN MAMMARY TUMORS: ACTION OF PROLACTIN IN VIVO] Vignon F, Rochefort H *C R Acad Sci [D] (Paris)* 278: 103-6, Jan 74 (Fre)

PROLACTIN STIMULATION OF ESTROGEN RECEPTOR IN VITRO IN 7,12 DIMETHYLBENZ(A)ANTHRACENE-INDUCED MAMMARY TUMOR. Sasaki GH, Leung BS *Res Commun Chem Pathol Pharmacol* 8: 409-12, Jun 74 (Eng)

MANAGEMENT

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MANGANESE

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MARATHON RUNNING

MARATHON RUNNING AFTER MYOCARDIAL INFARCTION. Kavanagh T, Shephard RH, Pandit V *JAMA* 229: 1602-5, 16 Sep 74 (Eng)

MARROW ADIPOSE CELL

MARROW ADIPOSE CELLS. ULTRASTRUCTURAL AND HISTOCHEMICAL CHARACTERIZATION. Tavassoli M *Arch Pathol* 98: 189-92, Sep 74 (Eng)

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CESAREAN SECTION IN THE MASSIVELY OBESE. Sicuranza BJ, Tisdall LH *J Reprod Med* 14: 10-1, Jan 75 (Eng)

MATHEMATICAL ANALYSIS

MATHEMATICAL ANALYSIS OF METABOLIC NETWORKS. Reich JG, Selkov EE *FEBS Lett* 40: suppl0s119-27, 23 Mar 74 (Eng)

MATHEMATICAL MODEL

A GENERALIZED MATHEMATICAL MODEL FOR THE GROWTH KINETICS OF SACCHAROMYCES CEREVISIAE WITH EXPERIMENTAL DETERMINATION OF PARAMETERS. Peringer P, Blachere H, Corrieu G, Lane AG *Biotechnol Bioeng* 16: 431-54, Apr 74 (Eng)

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MATHEMATICS OF HORMONE-RECEPTOR INTERACTION. I. BASIC PRINCIPLES. Rodbard D *Adv Exp Med Biol* 36: 289-326, 1973 (Eng)

MATURITY ONSET

ERYTHROCYTE GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENCY IN DIABETES (MATURITY ONSET). Kher MM, Grover SD *J Assoc Physicians India* 22: 601-4, Aug 74 (Eng)

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THE EFFECT OF A LOW-CALORIE DIET WITH AND WITHOUT FENFLURAMINE ON THE GLUCOSE TOLERANCE AND INSULIN SECRETION OF OBESE MATURITY-ONSET DIABETICS. Dykes JR *Postgrad Med J* 49: 318-24, May 73 (Eng)

MEDICAL INSTITUTION

[DIABETICS FROM A MEDICAL INSTITUTION AND A REGIONAL COLLECTIVE FROM THE VIEW POINT OF PATIENT PARTICIPATION IN THE THERAPEUTIC REGIMEN] Dub O, Brozek I, Nykodym P, Krcze A *Cas Lek Cesk* 113: 1389-93, 7 Nov 74 (Cze)

MEDICAL TREATMENT

[STUDY OF 50 PURULENT NONTUBERCULOUS PLEURISIES SUBJECTED TO MEDICAL TREATMENT] Moigneteau C, Guillement JM, Almazor M *Poumon Coeur* 30: 115-21, 1974 (Fre)

[MEDICAL TREATMENT OF MYOCARDIAL INFARCT IN THE ACUTE PHASE] Trigano JA, Torresani J, Jouve A *Rev Prat* 24: 5019-20, 5023-4, 5029-30 *passim*, 7-11 Dec 74 (Fre)

MEDICATION USE

MEDICATION USE AND MISUSE: PHYSICIAN-PATIENT DISCREPANCIES. Hulka BS, Kupper LL, Cassel JC, Efrid RL *J Chronic Dis* 28: 7-21, Jan 75 (Eng)

MEDICINE, CLINICAL

THE DIAGNOSTIC VALUE OF RADIOIMMUNOASSAY IN CLINICAL MEDICINE. Cullen MJ *Ir J Med Sci* 0: suppl046-9, Jul 74 (Eng)

MEMBRANE

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BINDING OF A SOLUBILIZED MEMBRANE ATPASE TO PHOSPHOLIPID BILAYERS. Redwood WR, Patel BC *Biochim Biophys Acta* 363: 70-85, 21 Aug 74 (Eng)

COMPLETE CONTROL OF THE LIPID ENVIRONMENT OF MEMBRANE-BOUND PROTEINS: APPLICATION TO A CALCIUM TRANSPORT SYSTEM. Warren GB, Toon PA, Birdsall NJ, Lee AG, Metcalfe JC *FEBS Lett* 41: 122-4, 15 Apr 74 (Eng)

LATERAL DIFFUSION IN THE HYDROPHOBIC REGION OF MEMBRANES: USE OF PYRENE EXCIMER AS OPTICAL PROBES. Galla HJ, Sackmann E *Biochim Biophys Acta* 339: 103-15, 26 Feb 74 (Eng)

LIPIDS AND MEMBRANES. Lucy JA *FEBS Lett* 40: suppl0s105-11, 23 Mar 74 (Eng) [45]

POLYENE ANTIBIOTIC-STEROL INTERACTIONS IN MEMBRANES OF ACHOLEPLASMA LAIDLAWII CELLS AND LECITHIN LIPOSOMES. I. SPECIFICITY OF THE MEMBRANE PERMEABILITY CHANGES INDUCED BY THE POLYENE ANTIBIOTICS. Kruijff B de, Gerritsen WJ, Oerlemans A, Demel RA, Deenen LL van *Biochim Biophys Acta* 339: 30-43, 26 Feb 74 (Eng)

POLYENE ANTIBIOTIC-STEROL INTERACTIONS IN MEMBRANES OF ACHOLEPLASMA LAIDLAWII CELLS AND

MEMBRANE, BIOLOGICAL

LECITHIN LIPOSOMES. 3. MOLECULAR STRUCTURE OF THE POLYENE ANTIBIOTIC-CHOLESTEROL COMPLEXES. Kruijff B de, Demel RA *Biochim Biophys Acta* 339: 57-70, 26 Feb 74 (Eng)

POLYENE ANTIBIOTIC-STEROL INTERACTIONS IN MEMBRANES OF ACHOLEPLASMA LAIDLAWII CELLS AND LECITHIN LIPOSOMES. II. TEMPERATURE DEPENDENCE OF THE POLYENE ANTIBIOTIC-STEROL COMPLEX FORMATION. Kruijff B de, Gerritsen WJ, Oerlemans A, Dijk PW van, Demel RA, Deenen LL van *Biochim Biophys Acta* 339: 44-56, 26 Feb 74 (Eng)

THE MOLECULAR ORGANIZATION OF MEMBRANES. Singer SJ *Annu Rev Biochem* 43: 805-33, 1974 (Eng) [235]

THE ROLE OF MEMBRANE-BOUND MAGNESIUM IN THE PERMEABILITY OF GHOSTS TO K⁺. Romero PJ *Biochim Biophys Acta* 339: 116-25, 26 Feb 74 (Eng)

MEMBRANE, BIOLOGICAL

A MODEL FOR PHASE TRANSITIONS IN LIPID BILAYERS AND BIOLOGICAL MEMBRANES. Scott HL Jr *J Theor Biol* 46: 241-53, Jul 74 (Eng)

SOME OBSERVATIONS ON THE ELECTRICAL PROPERTIES OF BIOLOGICAL MEMBRANES. Spyropoulos CS *Membranes* 1: 267-317, 1972 (Eng) [43]

MEMBRANE, ENZYMATICALLY MODIFIED

EFFECT OF TEMPERATURE ON SULFATE MOVEMENTS ACROSS CHEMICALLY OR ENZYMATICALLY MODIFIED MEMBRANES OF HUMAN RED BLOOD CELLS. Schwach G, Rudloff V, Wood-Guth I, Passow H *Biochim Biophys Acta* 339: 126-38, 26 Feb 74 (Eng)

MEMBRANE FUSION

MEMBRANE FUSION AND MOLECULAR SEGREGATION IN PHOSPHOLIPID VESICLES. Papahadjopoulos D, Poste G, Schaeffer BE, Vail WJ *Biochim Biophys Acta* 352: 10-28, 30 May 74 (Eng)

MEMBRANE LIPID

CONTROL OF MEMBRANE LIPID FLUIDITY IN ACHOLEPLASMA LAIDLAWII. Huang L, Lorch SK, Smith GG, Haug A *FEBS Lett* 43: 1-5, 1 Jul 74 (Eng)

DISPLACEMENT INTO INCUBATION MEDIUM BY ALBUMIN OF HIGHLY UNSATURATED RETINA FREE FATTY ACIDS ARISING FROM MEMBRANE LIPIDS. Avelidano MI, Bazan NG *FEBS Lett* 40: 53-6, 15 Mar 74 (Eng)

MEMBRANE, MICROSOMAL

BINDING OF CONCAVALIN A-SEPHAROSE TO GLYCOPROTEINS OF LIVER MICROSOMAL MEMBRANES. Winqvist L, Eriksson LC, Dallner G *FEBS Lett* 42: 27-31, 15 May 74 (Eng)

MEMBRANE, MITOCHONDRIAL

EFFECT OF FATTY ACIDS AND ACYL-COA ON THE PERMEABILITY OF MITOCHONDRIAL MEMBRANES TO MONOVALENT CATIONS. Wojtczak L *FEBS Lett* 44: 25-30, 15 Aug 74 (Eng)

TURNOVER NUMBERS FOR IONOPHORE-CATALYZED CATION TRANSPORT ACROSS THE MITOCHONDRIAL MEMBRANE. Haynes DH, Wiens T, Pressman BC *J Membr Biol* 18: 23-38, 1974 (Eng)

MEMBRANE PERMEABILITY

[EFFECT OF THE INHIBITOR OF GLUCOSE UTILIZATION, ISOLATED FROM SERUM OF PATIENTS IN UREMIA, UPON MORPHOLOGY AND MEMBRANE PERMEABILITY OF ERYTHROCYTES (AUTHORS TRANSL)] Gajdos M, Dzurik R *Bratisl Lek Listy* 62: 29-34, 1974 (Slo)

POLYENE ANTIBIOTIC-STEROL INTERACTIONS IN MEMBRANES OF ACHOLEPLASMA LAIDLAWII CELLS AND LECITHIN LIPOSOMES. I. SPECIFICITY OF THE MEMBRANE PERMEABILITY CHANGES INDUCED BY THE POLYENE ANTIBIOTICS. Kruijff B de, Gerritsen WJ, Oerlemans A, Demel RA, Deenen LL van *Biochim Biophys Acta* 339: 30-43, 26 Feb 74 (Eng)

MEMBRANE, PLASMA

ELECTROPHORETIC ANALYSIS OF POLYPEPTIDES OF PLASMA MEMBRANES FROM BOVINE PITUITARY GLAND. Lemay A, Labrie F *Can J Biochem* 52: 620-30, Jul 74 (Eng)

MEMBRANE PREPARATION

[ISOLATION OF MEMBRANE PREPARATIONS FROM ACHOLEPLASMA LAIDLAWII CELLS AND THEIR TRANSPORT CHARACTERISTICS] Fedotov NS, Panchenko LF, Tarshis MA *Mikrobiologiya* 43: 543-5, 1974 (Rus)

MEMBRANE RECEPTOR DEFECT

DIABETES MELLITUS--A MEMBRANE RECEPTOR DEFECT. Connolly PE, Turtle JR *Aust NZ J Med* 4: 228-36, Jun 74 (Eng)

MEMBRANE STEROL POOL

THE RATE OF CHOLESTEROL FLIP-FLOP IN LIPID BILAYERS AND ITS RELATION TO MEMBRANE STEROL POOLS. Smith RJ, Green C *FEBS Lett* 42: 108-11, 15 May 74 (Eng)

MEMBRANE TRANSPORT

MEMBRANE TRANSPORT AS A POTENTIAL TARGET FOR ANTIBIOTIC ACTION. Walsh CT, Kaback HR *Ann NY Acad Sci* 235: 519-41, 10 May 74 (Eng) [55]

MEMBRANE VESICLE

MECHANISMS OF ACTIVE TRANSPORT IN ISOLATED BACTERIAL MEMBRANE VESICLES. FURTHER STUDIES ON AMINO ACID TRANSPORT IN STAPHYLOCOCCUS AUREUS MEMBRANE VESICLES. Short SA, Kaback HR *J Biol Chem* 249: 4275-81, 10 Jul 74 (Eng)

MEMPHIS

THE MEMPHIS CHRONIC DISEASE PROGRAM. COMPARISONS IN OUTCOME AND THE NURSES EXTENDED ROLE. Runyan JW Jr *JAMA* 231: 264-7, 20 Jun 75 (Eng)

MENSTRUAL CYCLE

STUDIES OF GLUCOSE TOLERANCE, INSULIN AND GROWTH HORMONE SECRETION DURING THE MENSTRUAL CYCLE IN HEALTHY WOMEN. Walsh CH, O'Sullivan DJ Jr *J Med Sci* 144: 18-24, Jun 75 (Eng)

MERCURIMETRIC TITRATION

APPLICATION OF MERCURIMETRIC TITRATION IN SEMIMICRO ESTIMATION OF SOME SUGARS. 2. Belal S, Soliman R *Pharmazie* 29: 205, Mar 74 (Eng)

MESOTHELIOMA, INTRATHORACIC

LETTER: HYPOGLYCAEMIA ASSOCIATED WITH INTRATHORACIC MESOTHELIOMA. Leung JS, Tang ST *Br Med J* 4: 657, 14 Dec 74 (Eng)

METABOLIC ALTERATION

METABOLIC ALTERATIONS OF FATTY ACIDS. Fulco AJ *Annu Rev Biochem* 43: 215-41, 1974 (Eng) [258]

METABOLIC DEVIATION

[CONCEPT OF METABOLIC DEVIATIONS] Charvat AJ *Vnitř Lek* 21: 1-5, Jan 75 (Cze)

METABOLIC DISORDER

[MORPHOLOGICAL CHANGES OF THE LIVER IN METABOLIC DISORDERS] Wohlgenuth B *Dtsch Z Verdau Stoffwechselkr* 34: 17-22, 1974 (Ger)

METABOLIC EFFECT

METABOLIC EFFECT OF CONJUGATED OESTROGENS (USP) ON GLUCOSE TOLERANCE. Nodelovitz M S *Afr Med J* 48: 2599-603, 21 Dec 74 (Eng)

METABOLIC FUNCTION

METABOLIC, HORMONAL AND ENZYMATIC FUNCTIONS OF RATS DURING RECOVERY FROM INJURY. Nemeth S, Vigas M, Strakova A *Adv Exp Med Biol* 33: 423-7, 1972 (Eng)

METABOLIC HAZARD

[PERIODIC HOSPITALIZATION OF PATIENTS WITH VASCULAR AND/OR METABOLIC HAZARDS] Lesobre B, Cathelineau G *Nouv Presse Med* 3: 2510-1, 9-23 Nov 74 (Fre)

METABOLIC NETWORK

MATHEMATICAL ANALYSIS OF METABOLIC NETWORKS. Reich JG, Selkov EE *FEBS Lett* 40: suppl 19-27, 23 Mar 74 (Eng)

METABOLIC RESPONSE

METABOLIC RESPONSES TO HYPERPYREXIA. Liebschutz DC, Boutros AR, Printen KJ *Surg Gynecol Obstet* 139: 403-5, Sep 74 (Eng)

THE METABOLIC RESPONSE TO EXERCISE AND EXHAUSTION IN NORMAL AND GROWTH-HORMONE-DEFICIENT CHILDREN. Winter JS *Can J Physiol Pharmacol* 52: 575-82, Jun 74 (Eng)

GENERAL METABOLIC RESPONSE TO TRAUMA INCLUDING PAIN INFLUENCE. Thoren L *Acta Anaesthesiol Scand [Suppl]* 9-14, 1974 (Eng)

METABOLIC TRANSPORT

REGULATION OF METABOLIC TRANSPORT IN RAT AND GUINEA PIG LIVER MITOCHONDRIA BY LONG CHAIN FATTY ACYL COENZYME A ESTERS. Shrago E, Shug A, Elson C, Spennetta T, Crosby C *J Biol Chem* 249: 5269-74, 25 Aug 74 (Eng)

Diabetes Literature—Keyword Index

MUCOSA, GASTRIC

METABOLISM INDICATOR

[EFFECT OF HEREDITARY FACTORS ON CERTAIN INDICATORS OF METABOLISM IN CHILDREN AND ADOLESCENTS WITH OBESITY] Dudenko NV, Anishchuk VP, Savchenko DD *Pediatrics* 34:7, Dec 74 (Rus)

METHIONINE TRANSPORT

METHIONINE TRANSPORT IN *ESCHERICHIA COLI*: PHYSIOLOGICAL AND GENETIC EVIDENCE FOR TWO UPTAKE SYSTEMS. Kadner RJ, Watson WJ *J Bacteriol* 119: 401-9, Aug 74 (Eng)

MICROANGIOPATHY, DIABETIC

[DIABETIC MICROANGIOPATHY: COMPARISON BETWEEN MAN AND ANIMAL] Duhalault J, Lebon F, Boulanger M, Regnault F, Kern F *Biorheology* 11: 167-78, Jun 74 (Fre)

MICROCEPHALY

DEFECTIVE GROWTH HORMONE SECRETION IN PRIMARY MICROCEPHALY. Dacou-Voutetakis C, Karpachos T, Logothetis N, Constantinidis M, Matsaniotis N, Michalopoulou E *J Pediatr* 85: 498-502, Oct 74 (Eng)

MICROCIRCULATION

MICROCIRCULATION IN DIABETES MELLITUS: A STUDY OF GINGIVAL BIOPSIES. Lin JH, Duffy JL, Roginsky MS *Hum Pathol* 6: 77-96, Jan 75 (Eng)

MICROMETHOD

[MICROMETHOD FOR DETERMINING PYRIDOXAL KINASE ACTIVITY IN SERUM] Reinken L *Int J Vitam Nutr Res* 44: 189-94, 1974 (Ger)

MICROPUNCTURE STUDY

PROXIMAL TUBULAR LACTATE TRANSPORT IN RAT KIDNEY: A MICROPUNCTURE STUDY. Hohmann B, Frohnert PP, Kinne R, Baumann K *Kidney Int* 5: 261-70, Apr 74 (Eng)

MICROSOME

ACYLATION OF MONOGLYCERIDES BY LOCUST FAT-BODY MICROSOMES. Peled Y, Tietz A *FEBS Lett* 41: 65-8, 15 Apr 74 (Eng)

MICROSOME, RAT LIVER

LIPID ACCEPTOR IN UDPGLUCURONIC ACID METABOLISM IN RAT LIVER MICROSOMES. Puhakainen E, Hanninen O *FEBS Lett* 39: 144-8, 15 Feb 74 (Eng)

MIDDLE AGED

[COMPLICATION OF DIABETES MELLITUS BY PULMONARY TUBERCULOSIS IN MIDDLE-AGED AND OLD PATIENTS] Kordzakhia TP *Probl Endokrinol (Mosk)* 20: 10-2, Sep-Oct 74 (Rus)

MIGRAINE

[IMPORTANCE OF DIETETIC FACTORS IN MIGRAINE] Hubbe P *Ugeskr Laeger* 136: 2863-8, 16 Dec 74 (Dan) [50]

MINIDISC MODULE

A VERSATILE MINIDISC MODULE FOR A CENTRIFUGAL ANALYZER. Renoe BW,

Gregory RP 4th, Avery J, Malmstadt HV *Clin Chem* 20: 955-60, Aug 74 (Eng)

MISUSE

MEDICATION USE AND MISUSE: PHYSICIAN-PATIENT DISCREPANCIES. Hulka BS, Kupper LL, Cassel JC, Efrid RL *J Chronic Dis* 28: 7-21, Jan 75 (Eng)

MITOCHONDRIA, RAT LIVER

ON THE RELATIONSHIPS BETWEEN THE STOICHIOMETRY OF OXIDATIVE PHOSPHORYLATION AND THE PHOSPHORYLATION POTENTIAL OF RAT LIVER MITOCHONDRIA AS FUNCTIONS OF RESPIRATORY STATE. Davis EJ, Lumeng L, Bottoms D *FEBS Lett* 39: 9-12, 1 Feb 74 (Eng)

REGULATION OF PYRUVATE-DEHYDROGENASE INTERCONVERSION IN RAT-LIVER MITOCHONDRIA AS RELATED TO THE PHOSPHORYLATION STATE OF INTRAMITochondrial ADENINE NUCLEOTIDES. Wieland OH, Portenhauser R *Eur J Biochem* 45: 577-88, 15 Jun 74 (Eng)

EVIDENCE FOR ELECTROGENIC ASPARTATE TRANSPORT IN RAT LIVER MITOCHONDRIA. LaNoue KF, Meijer AJ, Brouwer A *Arch Biochem Biophys* 161: 544-50, 2 Apr 74 (Eng)

EFFECTS OF GLUCAGON UPON RAT LIVER MITOCHONDRIA IN VIVO. Williams JN Jr, Thorp SL *Proc Soc Exp Biol Med* 147: 803-6, Dec 74 (Eng)

MITOCHONDRIAL FUNCTION

EFFECTS OF SYNTHALIN ON MITOCHONDRIAL FUNCTIONS. Maina G, Mwehla N *Biochem Pharmacol* 24: 529-33, 15 Feb 75 (Eng)

MITOCHONDRIAL, INTERMEDIATE

THE OCCURRENCE OF INTERMEDIATES IN MITOCHONDRIAL FATTY ACID OXIDATION. Stanley KK, Tubbs PK *FEBS Lett* 39: 325-8, 1 Mar 74 (Eng)

MOLECULAR ORGANIZATION

THE MOLECULAR ORGANIZATION OF MEMBRANES. Singer SJ *Annu Rev Biochem* 43: 805-33, 1974 (Eng) [235]

MOLECULAR SEGREGATION

MEMBRANE FUSION AND MOLECULAR SEGREGATION IN PHOSPHOLIPID VESICLES. Papahadjopoulos D, Poste G, Schaeffer BE, Vail WJ *Biochim Biophys Acta* 352: 10-28, 30 May 74 (Eng)

MOLECULE

QUANTUM CHEMICAL STUDY OF GLUCOSE, G-1-P AND G-6-P MOLECULES AS THE EFFECTORS OF AN ENZYME. Gaspar R Jr *Acta Biochim Biophys Acad Sci Hung* 7: 275-84, 1972 (Eng)

MONOAMINE OXIDASE EFFECT

THE EFFECT OF MONOAMINE OXIDASE INHIBITORS ON THE RECTAL TEMPERATURE OF THE RAT. Summers RJ *J Pharm Pharmacol* 26: 335-43, May 74 (Eng)

MONOGLYCERIDE

ACYLATION OF MONOGLYCERIDES BY LOCUST FAT-BODY MICROSOMES. Peled Y, Tietz A *FEBS Lett* 41: 65-8, 15 Apr 74 (Eng)

HETEROGENEITY OF TRIGLYCERIDE LIPASE OF RAT ADIPOCYTES. COMPARISON OF TRIGLYCERIDE AND MONOGLYCERIDE LIPASE ACTIVITIES IN SOLUBLE AND PARTICULATE FRACTIONS. Chmelarova M, Chmelar M *Eur J Biochem* 44: 235-42, 2 May 74 (Eng)

MONOLAYER CELL CULTURE

SOMATOSTATIN INHIBITS INSULIN AND GLUCAGON RELEASE BY MONOLAYER CELL CULTURES OF RAT ENDOCRINE PANCREAS. Fujimoto WY, Ensink JW, Williams RH *Life Sci* 15: 1999-2004, 1 Dec 74 (Eng)

MONOLAYER CULTURE

EFFECT OF CHOLERA TOXIN ON INSULIN RELEASE IN MONOLAYER CULTURES OF THE ENDOCRINE PANCREAS. Wollheim CB, Blondel B, Sharp GW *Diabetologia* 10: 783-7, Dec 74 (Eng)

MONOVALENT CATION

EFFECT OF FATTY ACIDS AND ACYL-COA ON THE PERMEABILITY OF MITOCHONDRIAL MEMBRANES TO MONOVALENT CATIONS. Wojtczak L *FEBS Lett* 44: 25-30, 15 Aug 74 (Eng)

MORGAGNI-STEWART-MOREL SYNDROME

[ENDOCRINE GLAND CHANGES IN A PATIENT WITH MORGAGNI-STEWART-MOREL SYNDROME] Koev D, Maleva E, Koeva L *Vutr Boles* 13: 125-9, 1974 (Bul)

MOTHER

GLUCOSE TOLERANCE IN MOTHERS OF OFFSPRING WITH CONGENITAL MALFORMATIONS. Goldman JA *Isr J Med Sci* 10: 1434-7, Nov 74 (Eng)

[PREVENTION OF THE RESPIRATORY DISTRESS SYNDROME IN THE NEWBORN BY STEROID THERAPY OF THE MOTHER BEFORE DELIVERY] Jmrc H, Istvan F, Szabolcs S, Karoly M *Orv Hetil* 116: 195-6, 26 Jun 75 (Hun)

MOUSE, OBOB

EFFECT OF A LOW DOSE OF ALLOXAN ON BLOOD GLUCOSE, ISLET BETA CELL GRANULATION, BODY WEIGHT, AND INSULIN RESISTANCE OF OB/OB MICE. Solomon J, Bulkeley RJ, Mayer J *Diabetologia* 10: 709-15, Dec 74 (Eng)

EFFECTS OF STREPTOZOTOCIN ON GLUCOSE METABOLISM, INSULIN RESPONSE, AND ADIPOSITY IN OB/OB MICE. Batchelor BR, Stern JS, Johnson PR, Mahler RJ *Metabolism* 24: 77-91, Jan 75 (Eng)

MUCOPEPTIDE

PEPTIDOGLYCANS (MUCOPEPTIDES): STRUCTURE, FUNCTION, AND VARIATIONS. Rogers HJ *Ann NY Acad Sci* 235: 29-51, 10 May 74 (Eng) [125]

MUCOSA, GASTRIC

[CHANGES OF GASTRIC MUCOSA IN PATIENTS WITH MILD FORM OF DIABETES MELLITUS] Moskovich EG, Korsakova NA, Pogozheva AV *Probl Endokrinol (Mosk)* 20: 42, Sep-Oct 74 (Rus)

Diabetes Literature—Keyword Index

MULTIPHASIC SCREENING

MULTIPHASIC SCREENING

MULTIPHASIC SCREENING PROGRAMME FOR SOMATIC DISEASES AMONG ELDERLY LONG-TERM PSYCHIATRIC PATIENTS. Gjesdal K, Stromme JH *Br J Psychiatry* 124: 564-72, Jun 74 (Eng)

MUSCLE, SMOOTH

CYCLIC NUCLEOTIDES AND SMOOTH MUSCLE. Bar HP *Adv Cyclic Nucleotide Res* 4: 195-237, 1974 (Eng) [153]

MUSCLE TONE

[EFFECT OF GLUCAGON ON THE MUSCUL TONE OF THE DUODENAL WALL. RADIOLOGICAL USEFULNESS] Silvan Delgado M, Juanco Pedregal C, Gonzalez Tutor A, Fernandez Echevarria MA *Rev Esp Enferm Apar Dig* 44: 797-810, 15 Dec 74 (Spa)

MUTANT

[MUTANTS FOR THE HEXURONATE TRANSPORT SYSTEM IN ESCHERICHIA COLI K 12: PHYSIOLOGICAL AND GENETIC ANALYSIS] Nemoz G, Robert-Baudouy J, Stoeber F *C R Acad Sci [D] (Paris)* 278: 675-8, 28 Jan 74 (Fre)

A MUTANT OF HUMAN RED CELL PYRUVATE KINASE WITH HIGH AFFINITY FOR PHOSPHOENOLPYRUVATE. Boivin P, Galand C *Enzyme* 18: 37-47, 1974 (Eng)

MYELINATED FIBER

MYELINATED FIBRES IN HUMAN PARAVERTEBRAL SYMPATHETIC CHAIN: WHITE RAMI COMMUNICANTES IN ALCOHOLIC AND DIABETIC PATIENTS. Appenzeller O, Ogin G *J Neurol Neurosurg Psychiatry* 37: 1155-61, Oct 74 (Eng)

MYELOID LEUKEMIA, CHRONIC

[CHRONIC MYELOID LEUKEMIA IN A 35 YEAR OLD PETROLEUM CHEMIST, HANDLING BENZENE SINCE THE AGE OF 18 YEARS] Liaudet J, Combaz M *Eur J Toxicol* 6: 309-13, Nov-Dec 73 (Fre)

MYELOPEROXIDASE

NITROBLUE TETRAZOLIUM (NBT)-DYE TEST AND THE MYELOPEROXIDASE REACTION OF HUMAN LEUKOCYTES. Okuda K, Tadokoro I, Noguchi Y *Jpn J Microbiol* 18: 337-42, Sep 74 (Eng)

MYOCARDIAL ENERGY METABOLISM

MYOCARDIAL ENERGY METABOLISM. Opie LH *Adv Cardiol* 12: 70-83, 1974 (Eng)

MYOCARDIAL INFARCT, ACUTE

[CAUSES AND EFFECTS OF HYPERACTIVITY OF THE SYMPATHICO-ADRENAL SYSTEM IN ACUTE MYOCARDIAL INFARCT] Oganov RG, Vinogradova IV, Aleksandrov AA *Kardiolgia* 14: 140-50, Oct 74 (Rus) [146]

MYOCARDIAL INFARCTION

MARATHON RUNNING AFTER MYOCARDIAL INFARCTION. Kavanagh T, Shephard RH, Pandit V *JAMA* 229: 1602-5, 16 Sep 74 (Eng)

[MEDICAL TREATMENT OF MYOCARDIAL INFARCT IN THE ACUTE PHASE] Trigano JA, Torresani J, Jouve A *Rev Prat* 24: 5019-20, 5023-4, 5029-30 passim, 7-11 Dec 74 (Fre)

[MYOCARDIAL INFARCT AS A CAUSE OF DEATH IN DIABETICS TREATED AT A HOSPITAL DEPARTMENT FOR INTERNAL DISEASES] Szulc EJ *Wiad Lek* 27: 205-7, 1 Feb 74 (Pol)

MYOCARDIAL INFARCTION, ACUTE

[HYPOFIBRINOLYSIS IN ACUTE MYOCARDIAL INFARCTION (AUTHORS TRANSL.)] Bruhn HD, Jipp P, Okoye S, Oltmann A *Med Klin* 69: 1951-5, 22 Nov 74 (Ger)

MYOCARDIAL METABOLISM

MYOCARDIAL METABOLISM DURING ACUTE HEMORRHAGIC OR ENDOTOXIC SHOCK. Spitzer JJ, Spitzer JA, Weng JT, Scott JC *Adv Exp Med Biol* 23: 267-73, Oct 71 (Eng)

MYOCARDIAL METABOLISM DURING ENDOTOXIC SHOCK. Scott JC, Weng JT, Spitzer JJ *Adv Exp Med Biol* 33: 375-86, 1972 (Eng)

MYOCARDIUM

[METABOLISM OF THE MYOCARDIUM IN MAN] Bertrand ME, Carre A, Ginestet A, Warembourg H *Arch Mal Coeur* 67: 409-11, Apr 74 (Fre)

NEISSERIA

GLUCOKINASE AND GLUCOSE 6-PHOSPHATE DEHYDROGENASE IN NEISSERIA. Holten E *Acta Pathol Microbiol Scand [B]* 82: 201-6, Apr 74 (Eng)

NEMATOSPIROIDES DUBIUS

BASAL METABOLIC RATE AND LIPID AND LIVER GLYCOGEN IN MICE INFECTED BY THE NEMATODE NEMATOSPIROIDES DUBIUS. Symons LE, Jones WO *Int J Parasitol* 4: 301-5, Jun 74 (Eng)

NEONATAL DIABETES

MACROGLOSSIA, TRANSIENT NEONATAL DIABETES MELLITUS AND INTRAUTERINE GROWTH FAILURE: A NEW DISTINCT ENTITY Dacou-Voutetakis C, Anagnostakis D, Xanthou M *Pediatrics* 55: 127-31, Jan 75 (Eng)

NEONATAL PERIOD

PROTEIN AND AMINO ACID METABOLISM AND REQUIREMENTS IN THE NEONATAL PERIOD. Lindblad BS *Acta Anaesthesiol Scand [Suppl]* 102-6, 1974 (Eng)

NEONATAL RAT

THE DEVELOPMENT OF PHOSPHOPYRUVATE CARBOXYLASE AND GLUCONEOGENESIS IN NEONATAL RATS. Pearce PH, Buirchell BJ, Weaver PK, Oliver IT *Biol Neonate* 24: 320-9, 1974 (Eng)

NEONATE REWARMING

THE EFFECTS OF FOUR DIFFERENT RADIANT WARMER TEMPERATURE SET-POINTS USED FOR REWARMING NEONATES. Motil KJ, Blackburn MG, Pleasure JR *J Pediatr* 85: 546-50, Oct 74 (Eng)

NEPHROPATHY

[CONCERNING THE RELATIONSHIP BETWEEN SERUM LIPIDS AND LIVER STEATOSIS IN DIABETIC RETINOPATHY AND NEPHROPATHY (AUTHORS TRANSL.)] Kolesar P, Brixova E, Tomik F *Bratisl Lek Listy* 62: 662-9, Dec 74 (Slo)

NEPHROPATHY, DIABETIC

[ETIOLOGY OF DIABETIC NEPHROPATHY--A MORPHOLOGICAL APPROACH] Hirose K, Shishido H, Tsuchida H *Jpn J Clin Med* 32: 3148-55, Oct 74 (Jpn)

NEPHROTIC SYNDROME

THE STRUCTURE OF THE GLOMERULAR CAPILLARY BASEMENT MEMBRANE IN DIABETES MELLITUS WITH AND WITHOUT NEPHROTIC SYNDROME. Wehner H, Bohle A *Virchows Arch [Pathol Anat]* 364: 303-9, 1974 (Eng)

NEPHROTOXICITY

THE NATURE OF D-SERINE-INDUCED NEPHROTOXICITY. Ganote CE, Peterson DR, Carone FA *Am J Pathol* 77: 269-82, Nov 74 (Eng)

NERVE

[ULTRASTRUCTURAL STUDY OF PERIPHERAL NERVE IN 16 DIABETICS WITHOUT NEUROPATHY. COMPARISONS WITH 16 DIABETIC NEUROPATHIES AND 16 NON-DIABETIC NEUROPATHIES (AUTHORS TRANSL.)] Vital C, Le Blanc M, Vallat JM, Cocquet M, Vallat M, Roques JC *Acta Neuropathol (Berl)* 30: 63-72, 1974 (Fre)

NERVE, SYMPATHETIC

MEMBRANE PROTEINS OF CATECHOLAMINE-STORING VESICLES IN ADRENAL MEDULLA AND SYMPATHETIC NERVES. Winkler H, Hortnagl H, Asamer H, Plattner H *Adv Exp Med Biol* 32: 69-81, 1972 (Eng)

NERVOUS SYSTEM

ALCOHOL AND NERVOUS SYSTEM WITH SPECIAL REFERENCE TO THE ENOLIC NEUROPATHIES. Brage D, Garibaldi MD, Intaglietta J, Buenaventura I, Famulari A *Int J Neurol* 9: 173-85, 1974 (Eng)

NERVOUS SYSTEM, AUTONOMIC

[RHYTHMICAL ACTIVITY OF THE ADRENAL CORTEX IN VARIOUS STATES OF THE AUTONOMIC NERVOUS SYSTEM] Belova TA, Khamidov GD *Probl Endokrinol (Mosk)* 20: 49-53, Jan-Feb 74 (Rus)

NEUROPATHY

[NEUROPATHY IN DIABETES MELLITUS] Ilchevski S, Smilenova I, Minchev M *Vutr Boles* 13: 122-5, 1974 (Bul)

[ULTRASTRUCTURAL STUDY OF PHERIPHERAL NERVE IN 16 DIABETICS WITHOUT NEUROPATHY. COMPARISONS WITH 16 DIABETIC NEUROPATHIES AND 16 NON-DIABETIC NEUROPATHIES (AUTHORS TRANSL.)] Vital C, Le Blanc M, Vallat JM, Cocquet M, Vallat M, Roques JC *Acta Neuropathol (Berl)* 30: 63-72, 1974 (Fre)

NEUROPATHY, ENOLIC

ALCOHOL AND NERVOUS SYSTEM WITH SPECIAL REFERENCE TO THE ENOLIC NEUROPATHIES. Brage D, Garibaldi MD, Intaglietta J, Buenaventura I, Famulari A *Int J Neurol* 9: 173-85, 1974 (Eng)

NEUROPATHY, PERIPHERAL

PRACTICAL APPROACHES TO MANAGING PERIPHERAL NEUROPATHIES. McQuillen MP *Geriatrics* 30: 109-16, Jan 75 (Eng)

NEUROSPORA

THE INFLUENCE OF LIGANDS ON THE FLUORESCENCE OF THE COMPLEX BETWEEN 8-ANILINO-1-NAPHTHALENE SULFONATE AND PYRUVATE KINASE OF NEUROSPORA. Kapoor M *Can J Biochem* 52: 599-609, Jul 74 (Eng)

NEW COMPOUND

[NEW COMPOUNDS AND REACTIONS OF SULFONAMIDES WITH AMINES. XIV. HYPOGLYCEMIC PROPERTIES OF SOME DERIVATIVES OF N-(BENZENOSULFONYL)-DELTA-2-PYRAZOLINE-1-CARBOXAMIDE] Brzowski Z, Angielski S, Wojcikowski C *Acta Pol Pharm* 31: 601-6, 1974 (Pol)

NEW ZEALAND

CARDIOVASCULAR EPIDEMIOLOGY IN NEW ZEALAND AND THE PACIFIC. Prior IA *NZ Med J* 80: 245-52, 25 Sep 74 (Eng)

NEW ZEALAND COMMITTEE ON ADVERSE DRUG REACTIONS: NINTH ANNUAL REPORT 1974. McQueen EG *NZ Med J* 80: 305-11, 9 Oct 74 (Eng)

NEWBORN

UTILIZATION AND TURNOVER RATE OF FRUCTOSE DURING CONTINUOUS INTRAVENOUS INFUSION IN PRE-TERM AND TERM NEWBORNS IN DEPENDENCE ON AGE. Beyreiss K, Rautenbach M *Biol Neonate* 24: 330-43, 1974 (Eng)

HYPERGLYCEMIA IN THE NEWBORN. Kumari S, Sagreya K, Bhargava SK *Indian Pediatr* 11: 581-3, Aug 74 (Eng)

[PREVENTION OF THE RESPIRATORY DISTRESS SYNDROME IN THE NEWBORN BY STEROID THERAPY OF THE MOTHER BEFORE DELIVERY] Jmre H, Istvan F, Szaboels S, Kuroly M *Orv Hetil* 116: 195-6, 26 Jan 75 (Hun)

NEWBORN INFANT

CARBOHYDRATE AND LIPID METABOLISM IN THE NEWBORN INFANT. Persson B *Acta Anaesthesiol Scand [Suppl]* 50: 7, 1974 (Eng)

NEWBORN RAT

INTERACTION OF AMINO ACIDS AND CYCLIC AMP ON THE RELEASE OF INSULIN AND GLUCAGON BY NEWBORN RAT PANCREAS. Jarrouse C, Rosselin G *Endocrinology* 96: 168-77, Jan 75 (Eng)

NICOTINAMIDE ADENINE DINUCLEOTIDE

CYTOTOXIC EFFECTS OF STREPTOZOTOCIN AND N-NITROSOMETHYLUREA ON THE PANCREATIC B CELLS WITH SPECIAL REGARD TO THE ROLE OF NICOTINAMIDE-ADENINE DINUCLEOTIDE. Gunnarsson R, Berne C, Hellerstrom C *Biochem J* 140: 487-94, Jun 74 (Eng)

NICOTINE

[STUDIES ON THE MECHANISM OF NICOTINE-INDUCED LIPOLYSIS IN MAN] Ratzmann KP, Meyer LW, Riemer D *Z Gesamte Inn Med* 29: 410-3, 15 May 74 (Ger)

COMPARISON OF PHARMACOLOGICAL RESPONSES TO NICOTINE AND RELEASE OF CATECHOLAMINES FROM THE ADRENALS IN DOGS AND MONKEYS. Tsujimoto A, Nishikawa T, Doi T, Kojima S *Eur J Pharmacol* 26: 236-42, May 74 (Eng)

NICOTINIC ACID EFFECT

A STUDY OF THE EFFECTS OF NICOTINIC ACID IN CATTLE, WITH SPECIAL REFERENCE TO KETOSIS THERAPY. Nurmio P, Roine K, Juokslahiti T, Loman A *Nord Vet Med* 26: 370-81, Jun 74 (Eng)

NITROBLUE TETRAZOLIUM

NITROBLUE TETRAZOLIUM (NBT)-DYE TEST AND THE MYELOPEROXIDASE REACTION OF HUMAN LEUKOCYTES. Okuda K, Tadokoro I, Noguchi Y *Jpn J Microbiol* 18: 337-42, Sep 74 (Eng)

NITROGEN

OBLIGATORY NITROGEN LOSSES. Anonymous *Nutr Rev* 31: 147-9, May 73 (Eng)

N-NITROSOMETHYLUREA

CYTOTOXIC EFFECTS OF STREPTOZOTOCIN AND N-NITROSOMETHYLUREA ON THE PANCREATIC B CELLS WITH SPECIAL REGARD TO THE ROLE OF NICOTINAMIDE-ADENINE DINUCLEOTIDE. Gunnarsson R, Berne C, Hellerstrom C *Biochem J* 140: 487-94, Jun 74 (Eng)

NON HEMOCHROMATOSIS

[HEPATIC CIRRHOSIS (NON HEMOCHROMATOSIS), DIABETES MELLITUS. II. INCIDENCE OF CHEMICAL DIABETES IN A GROUP OF 106 CIRRHOTIC PATIENTS] Cerdan Vallejo A, Martin Zurro A, Camunez Benjumea F, Ortiz Vazquez J *Rev Clin Esp* 134: 355-62, 31 Aug 74 (Spa)

NON KETOACIDOTIC DIABETIC

STUDIES ON WHOLE-BODY POTASSIUM IN NON-KETOACIDOTIC DIABETICS BEFORE AND AFTER TREATMENT. Walsh CH, Soler NG, James H, Fitzgerald MG, Malins JM *Br Med J* 4: 738-40, 28 Dec 74 (Eng)

NON RECEPTOR MATERIAL

BINDING OF INSULIN AND OTHER HORMONES TO NON-RECEPTOR MATERIALS: SATURABILITY, SPECIFICITY AND APPARENT NEGATIVE COOPERATIVITY. Cuatrecasas P, Hollenberg MD *Biochem Biophys Res Commun* 62: 31-41, 6 Jan 75 (Eng)

NONCULTURE METHOD

A NONCULTURE METHOD FOR HOME FOLLOW-UP OF URINARY TRACT INFECTIONS IN CHILDHOOD. Todd J, McLain L, Duncan B, Brown M *J Pediatr* 85: 514-6, Oct 74 (Eng)

NONDIABETIC

SULFONYLUREA-INDUCED FACTITIOUS HYPOGLYCEMIA IN A NONDIABETIC NURSE. Walfish PG, Kashyap RP, Greenstein S *Can Med Assoc J* 112: 71-2, 11 Jan 75 (Eng)

EQUAL INCIDENCE OF ADULT-ONSET DIABETES AMONG ANCESTORS OF JUVENILE DIABETICS AND NONDIABETICS. MacDonald MJ *Diabetologia* 10: 767-73, Dec 74 (Eng)

THE EFFECT OF A LOW-CALORIE DIET WITH AND WITHOUT FENFLURAMINE, AND FENFLURAMINE ALONE ON THE GLUCOSE TOLERANCE AND INSULIN SECRETION OF OVERWEIGHT NON-DIABETICS. Dykes JR *Postgrad Med J* 49: 314-7, May 73 (Eng)

[ULTRASTRUCTURAL STUDY OF PERIPHERAL NERVE IN 16 DIABETICS WITHOUT NEUROPATHY. COMPARISONS WITH 16 DIABETIC NEUROPATHIES AND 16 NON-DIABETIC NEUROPATHIES (AUTHORS TRANSL)] Vital C, Le Blanc M, Vallat JM, Cocquet M, Vallat M, Roques JC *Acta Neuropathol (Berl)* 30: 63-72, 1974 (Fre)

NONPHENOLIC PHENETHYLAMINE

THE STEREOSELECTIVE INHIBITION OF LIPOLYSIS BY NONPHENOLIC PHENETHYLAMINES. Fauley JJ, Feller DR, LaPidus JB *Eur J Pharmacol* 27: 136-40, Jun 74 (Eng)

NORADRENALINE, BRAIN

ROLE OF BRAIN NORADRENALINE IN THE REGULATION OF PITUITARY-ADRENOCORTICAL FUNCTIONS. Kumeda H, Uchimura H, Kuwabata T, Maeda Y, Okamoto O *J Endocrinol* 62: 161-2, Jul 74 (Eng)

NORADRENALINE EFFECT

THE EFFECT OF NORADRENALINE AND TYRAMINE ON CARDIAC CONTRACTILITY, CYCLIC AMP, AND PHOSPHORYLASE A IN NORMAL AND HYPERTHYROID RATS. Young BA, McNeill JH *Can J Physiol Pharmacol* 52: 375-83, Jun 74 (Eng)

NORFENFLURAMINE

PROCEEDINGS: EFFECT OF THE (MINUS)- AND (PLUS)-ISOMERS OF FENFLURAMINE AND NORFENFLURAMINE ON GLUCOSE UPTAKE BY THE ISOLATED RAT HEMIADIAPHRAGM. Kirby MJ, Turner P *Br J Pharmacol* 51: 120p-121p, May 74 (Eng)

NORMOGLYCEMIA

[ROLE OF GLUCONEOGENESIS IN THE MAINTENANCE OF NORMOGLYCEMIA IN THE BODY OF ANIMALS WITH TRANSPLANTED TUMORS] Blinov VA, Shapot VS *Vopr Onkol* 20: 60-5, 1974 (Rus)

NUCLEAR MAGNETIC RESONANCE

CARBON-13 FOURIER TRANSFORM NUCLEAR MAGNETIC RESONANCE. 8. ROLE OF STERIC AND ELECTRIC FIELD EFFECTS IN FATTY ACID SPECTRA. Batchelor JG, Cushley RJ, Prestegard JH *J Org Chem* 39: 1698-1705, 14 Jun 74 (Eng)

NUCLEAR MAGNETIC RESONANCE STUDIES ON SUBSTRATE BINDING TO PHOSPHOGLUCOMUTASE. Gadian DG, Radda GK, Richards RE *Biochim Biophys Acta* 358: 57-68, 17 Jul 74 (Eng)

NURSE

SULFONYLUREA-INDUCED FACTITIOUS HYPOGLYCEMIA IN A NONDIABETIC NURSE. Walfish PG, Kashyap RP, Greenstein S *Can Med Assoc J* 112: 71-2, 11 Jan 75 (Eng)

THE MEMPHIS CHRONIC DISEASE PROGRAM. COMPARISONS IN OUTCOME AND THE NURSES EXTENDED ROLE. Runyan JW Jr *JAMA* 231: 264-7, 20 Jun 75 (Eng)

Diabetes Literature—Keyword Index

NUTRITION, PARENTERAL

NUTRITION, PARENTERAL

PARENTERAL NUTRITION. Jarrett F *Prog Surg* 13: 125-37, 1974 (Eng) [30]

NYSTATIN

THE EFFECTS OF THE POLYENE ANTIBIOTICS NYSTATIN AND AMPHOTERICIN B ON THIN LIPID MEMBRANES. Holz RW *Ann NY Acad Sci* 235: 469-79, 10 May 74 (Eng)

OBESSE

LIPOLYSIS RELATION OF THE ADIPOSE TISSUE MASS IN OBESSE INDIVIDUALS. ITS MODIFICATION BY EPINEPHRINE. Portugal-Alvarez J, Perezagua-Clamagrand C, Velasco-Martin A *Pol J Pharmacol Pharm* 26: 325-8, May-Jun 74 (Eng)

CESAREAN SECTION IN THE MASSIVELY OBESSE. Sicuranza BJ, Tisdall LH *J Reprod Med* 14: 10-1, Jan 75 (Eng)

THE EFFECT OF A LOW-CALORIE DIET WITH AND WITHOUT FENFLURAMINE ON THE GLUCOSE TOLERANCE AND INSULIN SECRETION OF OBESSE MATURITY-ONSET DIABETICS. Dykes JR *Postgrad Med J* 49: 318-24, May 73 (Eng)

OBESITY

[EFFECT OF LOW-CALORIE DIET ON LIPOLYTIC ENZYMES AND OTHER INDEXES AND PSYCHOLOGICAL BEHAVIOR OF CHILDREN WITH ORDINARY OBESITY] Szczepski O, Walczak M, Korman E, Socha J, Waligora A, Waligora Z *Endokrynol Pol* 25: 31-42, Jan-Feb 74 (Pol)

[TESTS OF SOMATOTROPIN RESERVE IN OBESITY: RESPONSE OF GH TO STIMULATION WITH L-DOPA AND L-ARGININE] DAlessandro B, Bellastella A, Esposito V, Gasbarro R *Folia Endocrinol (Roma)* 27: 381-9, Aug 74 (Ita)

AVERSION TO SUCROSE IN OBESITY. Underwood PJ, Belton E, Hulme P *Proc Nutr Soc* 32: 93a-94a, Dec 73 (Eng)

EDITORIAL: NEW CONCEPTS IN ADIPOSE TISSUE METABOLISM AND OBESITY. Turtle JR *Drugs* 7: 321-2, 1974 (Eng)

FEEDING BEHAVIOUR IN OBESITY. Ries W *Proc Nutr Soc* 32: 187-93, Dec 73 (Eng)

INFANTILE OBESITY AND LATER WEIGHT CONTROL IN THE BABOON. Bruch H, Voss WR *Nature* 250: 268-9, 19 Jul 74 (Eng)

THE ENERGY REQUIREMENTS OF OBESITY. Bradham GB *South Med J* 67: 967-9, Aug 74 (Eng)

[EFFECT OF HEREDITARY FACTORS ON CERTAIN INDICATORS OF METABOLISM IN CHILDREN AND ADOLESCENTS WITH OBESITY] Dudenko NV, Anishechuk VP, Savchenko DD *Pediatruiia* 34-7, Dec 74 (Rus)

[BLOOD CONTENT OF IMMUNOREACTIVE INSULIN IN CHILDREN AND ADOLESCENTS WITH OBESITY] Livergant IuE, Dudenko NV, Krupchitskaia KI *Vopr Okhr Materin Det* 19: 51-4, Oct 74 (Rus)

OBESITY, CHILDHOOD

CHILDHOOD OBESITY. Wolff OH, Lloyd JK *Proc Nutr Soc* 32: 195-8, Dec 73 (Eng) [24]

PLASMA LIPID VALUES IN CHILDHOOD OBESITY. Court JM, Dunlop M, Leonard RF *Gastrointest Endosc* 21: 10-4, Aug 74 (Eng)

OBSTETRICS

CURRENT STATUS OF ESTROGEN ASSAYS IN OBSTETRICS AND GYNECOLOGY. 2: ESTROGEN ASSAYS IN LATE PREGNANCY. Beischer NA, Brown JB *Obstet Gynecol Surv* 27: 303-43, May 72 (Eng) [103]

OCHOTONA RUFESCENS

COMPARATIVE STUDY OF ERYTHROCYTE GLYCOLYTIC ENZYMES IN MAN AND IN TWO SPECIES OF LAGOMORPHAE. (OCHOTONA RUFESCENS RUFESCENS AND ORYCTOLAGUS CUNICULUS). Puget A, Vergnes H, Gouarderes C *Can J Comp Med* 38: 314-20, Jul 74 (Eng)

O-CROSS COUNTER

[OCULAR ULTRASONIC BLOOD RHEOGRAPHY WITH O-CROSS COUNTER. REPORT IV. STUDIES OF DIABETIC RETINOPATHY] Yamamoto Y, Hirano S, Kaburagi H, Tomota M, Sueno M *Acta Soc Ophthalmol Jpn* 78: 913-25, 10 Sep 74 (Jpn)

OCULAR ABNORMALITY

OCULAR AND FINGERTIP ABNORMALITIES IN ISOLATED GLUCOCORTICOID DEFICIENCY. Counahan R, West R *J Pediatr* 85: 580-1, Oct 74 (Eng)

OCULAR ULTRASONIC

[OCULAR ULTRASONIC BLOOD RHEOGRAPHY WITH O-CROSS COUNTER. REPORT IV. STUDIES OF DIABETIC RETINOPATHY] Yamamoto Y, Hirano S, Kaburagi H, Tomota M, Sueno M *Acta Soc Ophthalmol Jpn* 78: 913-25, 10 Sep 74 (Jpn)

OFFSPRING

GLUCOSE TOLERANCE IN MOTHERS OF OFFSPRING WITH CONGENITAL MALFORMATIONS. Goldman JA *Isr J Med Sci* 10: 1434-7, Nov 74 (Eng)

OLD

[BLOOD SERUM EXAMINATION IN MOTHERLESS PIGLETS FROM BIRTH TO THE AGE OF SIX WEEKS (KEPT IN CAGES TILL 30 DAYS OLD). I. GOT, GLUCOSE, HEMATOLOGIC STATUS] Marx D, Loeffler K, Thran V *Berl Munch Tierarztl Wochenschr* 87: 290-5, 1 Aug 74 (Ger)

[CHRONIC MYELOID LEUKEMIA IN A 35 YEAR OLD PETROLEUM CHEMIST, HANDLING BENZENE SINCE THE AGE OF 18 YEARS] Liaudet J, Combaz M *Eur J Toxicol* 6: 309-13, Nov-Dec 73 (Fre)

[COMPLICATION OF DIABETES MELLITUS BY PULMONARY TUBERCULOSIS IN MIDDLE-AGED AND OLD PATIENTS] Kordzakhia TP *Probl Endokrinol (Mosk)* 20: 10-2, Sep-Oct 74 (Rus)

14C-OLEIC ACID

[PROCEEDINGS: INCORPORATION OF 1-14C-OLEIC ACID IN SUBCELLULAR FRACTIONS OR NORMAL AND ATHEROSCLEROTIC HUMAN FEMORAL ARTERIES IN VITRO] Horsch AK, Day AJ *Munch Med Wochenschr* 116: 1111-2, 31 May 74 (Ger)

OPTICAL PROBE

LATERAL DIFFUSION IN THE HYDROPHOBIC REGION OF MEMBRANES: USE OF PYRENE

EXCIMER AS OPTICAL PROBES. Galla HJ, Sackmann E *Biochim Biophys Acta* 339: 103-15, 26 Feb 74 (Eng)

ORAL CONTRACEPTION

ORAL CONTRACEPTION. A REVIEW OF REPORTED PHYSIOLOGICAL AND PATHOLOGICAL EFFECTS. Andrews WC *Obstet Gynecol Surv* 26: 477-99, Jul 71 (Eng) [174]

ORAL GLUCOSE

SERUM GROWTH HORMONE (GH) AND INSULIN (IRI) AFTER ORAL GLUCOSE IN SUBJECTS WITH RENAL FAILURE. Viljanen MK, Nousiainen R, Kasanen A, Frosstrom J *Ann Clin Res* 6: 266-71, Oct 74 (Eng)

ORAL GLUCOSE EFFECT

CARBOHYDRATE METABOLISM IN PREGNANCY. XII. THE EFFECT OF ORAL GLUCOSE ON PLASMA CONCENTRATIONS OF HUMAN PLACENTAL LACTOGEN AND CHORIONIC GONADOTROPIN DURING LATE PREGNANCY IN NORMAL SUBJECTS AND GESTATIONAL DIABETICS. Surmaczynska BZ, Nitzan M, Metzger BE, Freinkel N *Isr J Med Sci* 10: 1481-6, Dec 74 (Eng)

ORAL HYPOGLYCEMIC AGENT

THE ORAL HYPOGLYCEMIC AGENTS IN THE TREATMENT OF DIABETES MELLITUS. Tucci JR *Ri Med* 157: 510-1, 516, Dec 74 (Eng)

LETTER: ORAL HYPOGLYCAEMIC AGENTS. Schneider T, Politzer WM *S Afr Med J* 48: 2577, 21 Dec 74 (Eng)

ORAL LOADING TEST

INHIBITION OF SUCRASE BY TRIS IN RAT AND MAN, DEMONSTRATED BY ORAL LOADING TESTS WITH SUCROSE. Puls W, Keup U *Metabolism* 24: 93-8, Jan 75 (Eng)

ORCHESTRATION

EDITORIAL: THE NEW ORCHESTRATION. Vaisrub S *JAMA* 229: 1476, 9 Sep 74 (Eng)

ORDERLY TISSUE STRUCTURE

BASAL LAMINA SCAFFOLD-ANATOMY AND SIGNIFICANCE FOR MAINTENANCE OF ORDERLY TISSUE STRUCTURE. Vracko R *Am J Pathol* 77: 314-46, Nov 74 (Eng) [66]

ORGAN CULTURE

ELECTRON MICROSCOPE STUDIES ON THE GRANULE RELEASE FROM THE RAT PANCREATIC B-CELLS IN ORGAN CULTURE. Fukuma M *J Electron Microscop (Tokyo)* 23: 167-83, 1974 (Eng)

EFFECTS OF INSULIN, TRIHODOTHYRONINE AND CORTICOSTERONE ON ORGAN CULTURES OF THE ADULT RAT CEREBELLUM. Kiernan JA *Acta Neuropathol (Berl)* 30: 25-31, 1974 (Eng)

ORGANIC ACID

LETTER: TRANSPORT OF ORGANIC ACIDS ACROSS CELL MEMBRANE. Sable HZ *N Engl J Med* 291: 582, 12 Sep 74 (Eng)

ORTHOSTATIC DYSREGULATION

[HYPERACTIVITY OF THE BETA-RECEPTOR IN CHILDREN—WITH SPECIAL REFERENCE TO PERIODIC VOMITING (SO-CALLED AUTOINTOXICATION) AND ORTHOSTATIC

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DYSREGULATION] Furusho K, Muraishi K, Sato K, Noda C *Jpn J Clin Med* 32: 2907-18, Sep 74 (Jpn)

ORTHOSTATIC HYPOTENSION

EDITORIAL: ORTHOSTATIC HYPOTENSION IN DIABETIC PATIENTS. Vaisrub S *JAMA* 231: 847, 24 Feb 75 (Eng)

ORYCTOLAGUS CUNICULUS

COMPARATIVE STUDY OF ERYTHROCYTE GLYCOLYTIC ENZYMES IN MAN AND IN TWO SPECIES OF LAGOMORPHAE. (OCHOTONA RUFESCENS RUFESCENS AND ORYCTOLAGUS CUNICULUS). Puget A, Vergnes H, Gouarderes C *Can J Comp Med* 38: 314-20, Jul 74 (Eng)

OUABAIN

[MECHANISM OF ACTION OF OUABAIN ON CARBOHYDRATE TRANSPORT IN FROG SKELETAL MUSCLES] Nikolskii NN, Skopicheva VI, Troshin AS *Dokl Akad Nauk SSSR* 219: 1231-4, 1974 (Rus)

OUTCOME

THE MEMPHIS CHRONIC DISEASE PROGRAM. COMPARISONS IN OUTCOME AND THE NURSES EXTENDED ROLE. Runyan JW *Jr JAMA* 231: 264-7, 20 Jan 75 (Eng)

OVERWEIGHT

THE EFFECT OF A LOW-CALORIE DIET WITH AND WITHOUT FENFLURAMINE, AND FENFLURAMINE ALONE ON THE GLUCOSE TOLERANCE AND INSULIN SECRETION OF OVERWEIGHT NON-DIABETICS. Dykes JR *Postgrad Med J* 49: 314-7, May 73 (Eng)

OXALOACETATE

ON THE FORMATION OF ACETYL-COA FROM GLUTAMINE AND THE MUTUAL INTERCONVERSION BETWEEN OXALOACETATE AND PYRUVATE IN RABBIT RETICULOCYTES. Muller M, Thamm R, Rapoport S *FEBS Lett* 42: 279-81, 15 Jun 74 (Eng)

OXIDASE, GLUCOSE

A ROLE OF THE CARBOHYDRATE MOIETY OF GLUCOSE OXIDASE: KINETIC EVIDENCE FOR PROTECTION OF THE ENZYME FROM THERMAL INACTIVATION IN THE PRESENCE OF SODIUM DODECYL SULFATE. Nakamura S, Hayashi S *FEBS Lett* 41: 327-30, 1 May 74 (Eng)

ASSAY OF GLUCOSE OXIDASE BY DIFFERENTIAL CONDUCTIVITY. Messing RA *Biotechnol Bioeng* 16: 525-9, Apr 74 (Eng)

IMMOBILIZED GLUCOSE OXIDASE USED TO MEASURE GLUCOSE IN SERUM. Kunz HJ, Stastny M *Clin Chem* 20: 1018-22, Aug 74 (Eng)

OXIDATIVE PHOSPHORYLATION

COMPETITION FOR ADP BETWEEN PYRUVATE KINASE AND MITOCHONDRIAL OXIDATIVE PHOSPHORYLATION AS A CONTROL MECHANISM IN GLYCOLYSIS. Gosalvez M, Perez-Garcia J, Weinhouse S *Eur J Biochem* 46: 133-40, 1 Jul 74 (Eng)

ON THE RELATIONSHIPS BETWEEN THE STOICHIOMETRY OF OXIDATIVE PHOSPHORYLATION AND THE PHOSPHORYLATION POTENTIAL OF RAT LIVER MITOCHONDRIA AS FUNCTIONS OF RESPIRATORY STATE. Davis EJ, Lumeng L, Bottoms D *FEBS Lett* 39: 9-12, 1 Feb 74 (Eng)

OXIDATIVE PHOSPHORYLATION, MITOCHONDRIAL

COMPETITION FOR ADP BETWEEN PYRUVATE KINASE AND MITOCHONDRIAL OXIDATIVE PHOSPHORYLATION AS A CONTROL MECHANISM IN GLYCOLYSIS. Gosalvez M, Perez-Garcia J, Weinhouse S *Eur J Biochem* 46: 133-40, 1 Jul 74 (Eng)

OXYGEN

[CURRENT VIEWS ON THE TOXICITY OF OXYGEN] Polistena A *Riv Med Aeronaut Spaz* 36: 205-43, Jul 73 (Ita)

OXYTOCIN CHALLENGE TEST

OXYTOCIN CHALLENGE TEST IN MONITORING HIGH-RISK PREGNANCIES. Cooper JM, Soffronoff EC, Bolognese RJ *Obstet Gynecol* 45: 27-33, Jan 75 (Eng)

PAIN

GENERAL METABOLIC RESPONSE TO TRAUMA INCLUDING PAIN INFLUENCE. Thoren L *Acta Anaesthesiol Scand [Suppl]* 9-14, 1974 (Eng)

PAINFUL SHOULDER SYNDROME

LETTER: PAINFUL SHOULDER SYNDROME. Chaiton A *Can Med Assoc J* 111: 1299, 21 Dec 74 (Eng)

14C-1-PALMITATE

STUDIES ON THE LIPID METABOLISM USING 14C-1-PALMITATE IN FETAL RATS. Hummel L, Schirmeister W, Zimmermann T, Wagner H *Biol Neonate* 24: 289-305, 1974 (Eng)

PANCREAS

INTERACTION OF AMINO ACIDS AND CYCLIC AMP ON THE RELEASE OF INSULIN AND GLUCAGON BY NEWBORN RAT PANCREAS. Jarrousse C, Rosselin G *Endocrinology* 96: 168-77, Jan 75 (Eng)

CURRENT CONCEPTS RELATING TO METABOLIC CHANGES AFTER PORTACAVA SHUNTS, AND ALCOHOL AND THE PANCREAS. (2). ALCOHOL AND THE PANCREAS. Wheatley IC, Waterworth MW, Barbezat GO, Bank S, Marks S, Hickman R, Terblanche J *S Afr J Surg* 12: 202-4, Dec 74 (Eng)

GLUCAGON AND THE PANCREAS, LIVER AND BILE DUCTS. Barbezat GO *S Afr J Surg* 12: 213-7, Dec 74 (Eng) [35]

[EXOCRINE FUNCTION OF THE PANCREAS IN DIABETES MELLITUS] Kosenko NP *Vrach Delo* 42-5, Dec 74 (Rus)

PANCREAS, ENDOCRINE

EFFECT OF CHOLERA TOXIN ON INSULIN RELEASE IN MONOLAYER CULTURES OF THE ENDOCRINE PANCREAS. Wollheim CB, Blondel B, Sharp GW *Diabetologia* 10: 783-7, Dec 74 (Eng)

SOMATOSTATIN INHIBITS INSULIN AND GLUCAGON RELEASE BY MONOLAYER CELL CULTURES OF RAT ENDOCRINE PANCREAS. Fujimoto WY, Ensick JW, Williams RH *Life Sci* 15: 1999-2004, 1 Dec 74 (Eng)

PANCREAS, RAT

[STIMULATION OF CYCLIC AMP AND CYCLIC GMP IN RAT PANCREAS STIMULATED BY GASTRO-INTESTINAL HORMONES IN VIVO AND IN VITRO] Deschodt-

Lauckman M, Robberecht P, De Neef P, Christophe J *Arch Int Physiol Biochim* 82: 180, Feb 74 (Fre)

THE IMMEDIATE INSULIN SECRETORY RESPONSE OF THE ISOLATED PERFUSED RAT PANCREAS TO TOLBUTAMIDE AND GLUCOSE. Lenzen S *FEBS Lett* 49: 407-8, 1 Jan 75 (Eng)

EFFECTS OF BICYCLIC LEUCINE ANALOGUES ON INSULIN RELEASE FROM THE PERFUSED RAT PANCREAS AND FLUORESCENCE OF REDUCED PYRIDINE NUCLEOTIDES FROM PERFUSED PANCREATIC ISLETS. Joost HG, Panten U, Ishida H, Poser W, Hasselblatt A *Life Sci* 16: 247-54, 15 Jan 75 (Eng)

PANCREATIC BETA CELL

[HISTOCHEMICAL DEMONSTRATION OF PANCREATIC B-CELLS BY THE USE OF A PERFORMIC ACID-COLLOIDAL IRON/SULFIDE-SILVER METHOD (AUTHORS TRANSL)] Klessen C *Histochemistry* 41: 133-9, 1974 (Ger)

ELECTRON MICROSCOPE STUDIES ON THE GRANULE RELEASE FROM THE RAT PANCREATIC B-CELLS IN ORGAN CULTURE. Fukuma M *J Electron Microscop* (Tokyo) 23: 167-83, 1974 (Eng)

CYTOTOXIC EFFECTS OF STREPTOZOTOCIN AND N-NITROSOMETHYLUREA ON THE PANCREATIC B CELLS WITH SPECIAL REGARD TO THE ROLE OF NICOTINAMIDE-ADENINE DINUCLEOTIDE. Gunnarsson R, Berne C, Hellerstrom C *Biochem J* 140: 487-94, Jun 74 (Eng)

PANCREATIC ENZYME

RECURRENT ACUTE PANCREATITIS IN PATIENTS WITH CYSTIC FIBROSIS WITH NORMAL PANCREATIC ENZYMES. Shwachman H, Lebenthal E, Khaw KT *Pediatrics* 55: 86-95, Jan 75 (Eng)

PANCREATIC HORMONE

LONG-TERM INFUSION OF GROWTH HORMONE RELEASE INHIBITING HORMONE IN ACROMEGALY: EFFECTS ON PITUITARY AND PANCREATIC HORMONES. Besser GM, Mortimer CH, McNeill AS, Thorner MO, Batistoni GA, Bloom SR, Kastrop KW, Hanssen KF, Hall R, Coy DH, Kastin AJ, Schally AV *Br Med J* 4: 622-7, 14 Dec 74 (Eng)

PANCREATIC ISLET

ZINC AND INSULIN CONTENT IN PANCREATIC ISLETS OF RATS AFTER ADMINISTRATION OF HYPOGLYCEMIC SULFONAMIDES. Lazaris YA, Kuts LG, Bavel'skii ZE *Bull Exp Biol Med* 77: 647-9, Dec 74 (Eng)

IMMUNOHISTOCHEMICAL EVIDENCE FOR THE LOCALIZATION OF SOMATOSTATIN-LIKE IMMUNOREACTIVITY IN A CELL POPULATION OF THE PANCREATIC ISLETS. Luft R, Efendic S, Hokfelt T, Johansson O, Arimura A *Med Biol* 52: 428-30, Dec 74 (Eng)

EFFECTS OF BICYCLIC LEUCINE ANALOGUES ON INSULIN RELEASE FROM THE PERFUSED RAT PANCREAS AND FLUORESCENCE OF REDUCED PYRIDINE NUCLEOTIDES FROM PERFUSED PANCREATIC ISLETS. Joost HG, Panten U, Ishida H, Poser W, Hasselblatt A *Life Sci* 16: 247-54, 15 Jan 75 (Eng)

STREPTOZOTOCIN-DIABETES IN THE CHINESE HAMSTER. LONG-TERM EFFECTS ON THE LIGHT MICROSCOPIC STRUCTURE OF

Diabetes Literature—Keyword Index

PANCREATIC ISLET CELL

THE PANCREATIC ISLET TISSUE, LIVER AND KIDNEY. Wilander E *Acta Pathol Microbiol Scand [A]* 82: 767-76, Nov 74 (Eng)

PANCREATIC ISLET CELL

ANTIBODIES TO PANCREATIC ISLET CELLS IN INSULIN-DEPENDENT DIABETICS WITH COEXISTENT AUTOIMMUNE DISEASE. MacCuish AC, Irvine WJ, Barnes EW, Duncan LJ *Lancet* 2: 1529-31, 28 Dec 74 (Eng)

PANCREATIC ISLET, MOUSE

EFFECTS OF GLUCOSE ON THE ULTRASTRUCTURE AND INSULIN BIOSYNTHESIS OF ISOLATED MOUSE PANCREATIC ISLETS MAINTAINED IN TISSUE CULTURE. Andersson A, Westman J, Hellstrom C *Diabetologia* 10: 743-53, Dec 74 (Eng)

LONG-TERM EFFECTS OF GLUCOSE ON INSULIN RELEASE AND GLUCOSE OXIDATION BY MOUSE PANCREATIC ISLETS MAINTAINED IN TISSUE CULTURE. Andersson A *Biochem J* 140: 377-82, Jun 74 (Eng)

THE EFFECT OF STARVATION ON INSULIN SECRETION AND GLUCOSE METABOLISM IN MOUSE PANCREATIC ISLETS. Hedeskov CJ, Kapitto K *Biochem J* 140: 423-33, Jun 74 (Eng)

PANCREATITIS, ACUTE

RECURRENT ACUTE PANCREATITIS IN PATIENTS WITH CYSTIC FIBROSIS WITH NORMAL PANCREATIC ENZYMES. Shwachman H, Lebenthal E, Khaw KT *Pediatrics* 55: 86-95, Jan 75 (Eng)

[GLUCAGON THERAPY IN ACUTE PANCREATITIS] Stave OT *Tidsskr Nor Laegeforen* 94: 1466-7, 30 Aug 74 (Nor)

PANCREATITIS, CHRONIC CALCIPHYLACTIC

[CHRONIC CALCIPHYLACTIC PANCREATITIS] Klemm G *Z Gesamte Inn Med* 29: 722-5, 1 Sep 74 (Ger)

PARALLEL FERMENTATION PATHWAY

PH CONTROL AND THE SHOULDER EFFECT IN PARALLEL FERMENTATION PATHWAYS. Tanner RD, Overley JR *Biotechnol Bioeng* 16: 485-500, Apr 74 (Eng)

PARTICULATE FRACTION

HETEROGENEITY OF TRIGLYCERIDE LIPASE OF RAT ADIPOCYTES. COMPARISON OF TRIGLYCERIDE AND MONOGLYCERIDE LIPASE ACTIVITIES IN SOLUBLE AND PARTICULATE FRACTIONS. Chmelarova M, Chmelar M *Eur J Biochem* 44: 235-42, 2 May 74 (Eng)

PATZS PAPHILO-MACULOPATHY

[AN EXCEPTIONAL FORM OF DIABETIC RETINOPATHY: PATZS PAPHILO-MACULOPATHY. APROPOS OF A CASE] Amalric P, Zayed A, Aubertin J *Bull Soc Ophthalmol Fr* 74: 201-5, Feb 74 (Fre)

PENTAERYTHRITOL TETRANITRATE PRETREATMENT

THE EFFECT OF PENTAERYTHRITOL TETRANITRATE PRETREATMENT ON EXPERIMENTAL CORONARY OCCLUSION. Meester WD, Van Harn GL *Am Heart J* 88: 330-7, Sep 74 (Eng)

PEPTIC ULCER

[PEPTIC ULCER AND DIABETES] Grosse Von H *Zentralbl Chir* 99: 1239-42, 27 Sep 74 (Ger)

PEPTIDE

FUNCTIONAL DIFFERENTIATION OF HUMAN JEJUNUM AND ILEUM: A COMPARISON OF THE HANDLING OF GLUCOSE, PEPTIDES, AND AMINO ACIDS. Silk DB, Webb JP, Lane AE, Clark ML, Dawson AM *Gut* 15: 444-9, Jun 74 (Eng)

PEPTIDE TRANSPORT

COMPETITION BETWEEN CARNOSINE AND OTHER PEPTIDES FOR TRANSPORT BY HAMSTER JEJUNUM IN VITRO. Addison JM, Matthews DM, Burston D *Clin Sci Mol Med* 46: 707-14, Jun 74 (Eng)

PEPTIDOGLYCANS

PEPTIDOGLYCANS (MUCOPEPTIDES): STRUCTURE, FUNCTION, AND VARIATIONS. Rogers HJ *Ann NY Acad Sci* 235: 29-51, 10 May 74 (Eng) [125]

PERFORMANCE CAPACITY

PHYSICAL DEVELOPMENT AND PERFORMANCE CAPACITY IN A GROUP OF DIABETIC CHILDREN AND ADOLESCENTS. Hebbelink M, Loeb H, Meersseman H *Acta Paediatr Belg* 28 suppl: 151-61, 1974 (Eng)

PERFORMIC ACID

[HISTOCHEMICAL DEMONSTRATION OF PERFORMIC ACID-COLLOIDAL IRON/SULFIDE-SILVER METHOD (AUTHORS TRANSL)] Klessen C *Histochemistry* 41: 133-9, 1974 (Ger)

PERINEAL MUSCLE, RAT

DIFFERENT MECHANISMS IN TESTOSTERONE ACTION ON GLYCOGEN METABOLISM IN RAT PERINEAL AND SKELETAL MUSCLES. Bergamini E *Endocrinology* 96: 77-84, Jan 75 (Eng)

PERIPHERAL NERVE

[ULTRASTRUCTURAL STUDY OF PERIPHERAL NERVE IN 16 DIABETICS WITHOUT NEUROPATHY. COMPARISONS WITH 16 DIABETIC NEUROPATHIES AND 16 NON-DIABETIC NEUROPATHIES (AUTHORS TRANSL)] Vital C, Le Blanc M, Vallat JM, Cocquet M, Vallat M, Roques JC *Acta Neuropathol (Berl)* 30: 63-72, 1974 (Fre)

PERIPHERAL VASCULAR DISEASE

EVALUATION OF PERIPHERAL VASCULAR DISEASE USING RADIOACTIVE XENON. Denaro JA, Weinstein G, Imparato AM, Braunstein P *Rev Surg* 32: 65-7, Jan-Feb 75 (Eng)

PERMEABILITY

EFFECT OF FATTY ACIDS AND ACYL-COA ON THE PERMEABILITY OF MITOCHONDRIAL MEMBRANES TO MONOVALENT CATIONS. Wojtczak L *FEBS Lett* 44: 25-30, 15 Aug 74 (Eng)

PERMEABILITY, VASCULAR

POSSIBLE PARTICIPATION OF INSULIN IN THE CONTROL OF VASCULAR PERMEABILITY.

Garcia-Leme J, Bohm GM, Migliorini RH, de Souza MZ *Eur J Pharmacol* 29: 298-306, Dec 74 (Eng)

PETROLEUM CHEMIST

[CHRONIC MYELOID LEUKEMIA IN A 35 YEAR OLD PETROLEUM CHEMIST. HANDLING BENZENE SINCE THE AGE OF 18 YEARS] Liaudet J, Combaz M *Eur J Toxicol* 6: 309-13, Nov-Dec 73 (Fre)

PH CONTROL

PH CONTROL AND THE SHOULDER EFFECT IN PARALLEL FERMENTATION PATHWAYS. Tanner RD, Overley JR *Biotechnol Bioeng* 16: 485-500, Apr 74 (Eng)

PHAGOCYTE

PERIPHERAL BLOOD PHAGOCYTE DYSFUNCTION IN CHILDREN WITH KWASHIORKOR. Schopfer K, Murali A *Bull Ist Sieroter Milan* 53: suppl0241-4, 1974 (Eng)

PHAGOCYTIC ACTIVITY

[CHANGES INDUCED BY THEOPHYLLINE IN VITRO ON THE GLYCOGEN CONTENT, CARBOHYDRATE METABOLISM AND FINALLY ON THE PHAGOCYTIC AND BACTERICIDAL ACTIVITY OF POLYNUCLEAR LEUKOCYTES] Henon M, Launay A, Delaunay A *C R Acad Sci [D] (Paris)* 278: 521-4, 21 Jan 74 (Fre)

PHASE TRANSITION

A MODEL FOR PHASE TRANSITIONS IN LIPID BILAYERS AND BIOLOGICAL MEMBRANES. Scott HL *Jr J Theor Biol* 46: 241-53, Jul 74 (Eng)

PHENETHYLAMINE

THE STEREOSELECTIVE INHIBITION OF LIPOLYSIS BY NONPHENOLIC PHENETHYLAMINES. Fauley JJ, Feller DR, LaPidus JB *Eur J Pharmacol* 27: 136-40, Jun 74 (Eng)

PHENFORMIN MEDICATION

[BONE-MARROW TOXICITY, LACTIC ACIDOSIS, AND DISSEMINATED INTRAVASCULAR COAGULATION FOLLOWING PHENFORMIN MEDICATION] Riedler GF, Keusch G, Schmid M *Schweiz Med Wochenschr* 104: 1160-6, 17 Aug 74 (Ger)

PHENFORMIN TREATED DIABETIC PATIENT

LACTICACIDOSIS, KETOACIDOSIS, AND HYPERALANINAEMIA IN A PHENFORMIN-TREATED DIABETIC PATIENT. Ball S, Woods HF, Alberti KG *Br Med J* 4: 699-700, 21 Dec 74 (Eng)

PHENOTYPE

THE ANTIFUNGAL ACTIVITY OF NORMAL AND HOST-COMPROMISED SALIVA ON SPACEFLIGHT FUNGAL PHENOTYPES. Dublin M, Volz PA, Bulmer GS *Mycopathol Mycol Appl* 54: 499-516, 18 Dec 74 (Eng)

PHLORHIZIN

THE IN VIVO LOCALIZATION OF HIGH-AFFINITY PHLORHIZIN RECEPTORS TO THE BRUSH BORDER SURFACE OF THE PROX-

Diabetes Literature—Keyword Index

PITUITARY INSUFFICIENCY

PIGEON

EFFECT OF EXERCISE ON LEVELS OF PLASMA GROWTH HORMONE, FREE FATTY ACIDS, AND GLUCOSE IN THE PIGEON, McKeown BA, John TM, George JC *Arch Int Physiol Biochim* 82: 55-62, Feb 74 (Eng)

PIGLET

[BLOOD SERUM EXAMINATION IN MOTHERLESS PIGLETS FROM BIRTH TO THE AGE OF SIX WEEKS (KEPT IN CAGES TILL 30 DAYS OLD). I. GOT, GLUCOSE, HEMATOLOGIC STATUS] Marx D, Loeffler K, Thran V *Berl Munch Tierarztl Wochenschr* 87: 290-5, 1 Aug 74 (Ger)

PITUITARY

LONG-TERM INFUSION OF GROWTH HORMONE RELEASE INHIBITING HORMONE IN ACROMEGALY: EFFECTS ON PITUITARY AND PANCREATIC HORMONES, Besser GM, Mortimer CH, McNeilly AS, Thorner MO, Batistoni GA, Bloom SR, Kastrup KW, Hanssen KF, Hall R, Coy DH, Kastin AJ, Schally AV *Br Med J* 4: 622-7, 14 Dec 74 (Eng)

EFFECTS OF SURGICAL TREATMENT ON HYPOTHALAMO-PITUITARY-ADRENOCORTICAL FUNCTIONS IN PITUITARY CHROMOPHORE ADENOMA AND CRANIOPHARYNGIOMA, Nishida S, Ando S, Kitamura K, Tomonaga M *Endocrinol Exp (Bratisl)* 8: 269-79, Dec 74 (Eng)

PITUITARY ADRENOCORTICAL FUNCTION

ROLE OF BRAIN NORADRENALINE IN THE REGULATION OF PITUITARY-ADRENOCORTICAL FUNCTIONS, Kumeda H, Uchimura H, Kawabata T, Maeda Y, Okamoto O *J Endocrinol* 62: 161-2, Jul 74 (Eng)

PITUITARY DWARF, MOUSE

HORMONES AND LYMPHOID TISSUES. CONTACT SENSITIVITY AND DETECTION OF THETA-CELLS IN PITUITARY DWARF MICE, Baroni CD, Doria G *Adv Exp Med Biol* 29: 655-60, 1973 (Eng)

PITUITARY GLAND, BOVINE

ELECTROPHORETIC ANALYSIS OF POLYPEPTIDES OF PLASMA MEMBRANES FROM BOVINE PITUITARY GLAND, Lemay A, Labrie F *Can J Biochem* 52: 620-30, Jul 74 (Eng)

PITUITARY GROWTH HORMONE

THE SEARCH FOR THE ACTIVE CORE OF PITUITARY GROWTH HORMONE, Kostyo JL *Metabolism* 23: 885-99, Sep 74 (Eng) [60]

PITUITARY GROWTH HORMONE, HUMAN

HUMAN PITUITARY GROWTH HORMONE: SOLUBILITY IN AMMONIUM SULFATE SOLUTIONS, Tarli P, Li CH *Arch Biochem Biophys* 161: 696-7, 2 Apr 74 (Eng)

PITUITARY INSUFFICIENCY

PITUITARY APOPLEXY IN ACROMEGALY FOLLOWED BY PARTIAL PITUITARY INSUFFICIENCY, Jacobi JD, Fishman LM, Daroff RB *Arch Intern Med* 134: 559-61, Sep 74 (Eng)

IMAL TUBULE IN DOG KIDNEY, Silverman M *Biochim Biophys Acta* 339: 92-102, 26 Feb 74 (Eng)

COMPETITION BETWEEN PHLORIZIN AND GOLD THIOLUCOSE FOR GLUCORECEPTOR CELL TRANSPORT MECHANISMS IN THE HYPOTHALAMUS, Anonymous *Nutr Rev* 33: 23-5, Jan 75 (Eng) [5]

PHOSPHATIDYLINOSITOL

EFFECTS OF ACETYLCHOLINE ON INCORPORATION OF (14C)GLUCOSE INTO PHOSPHATIDYLINOSITOL AND ON PHOSPHATIDYLINOSITOL BREAKDOWN IN SUBCELLULAR FRACTIONS FROM CEREBRAL CORTEX, Lapetina EG, Michell RH *J Neurochem* 23: 283-7, Jul 74 (Eng)

PHOSPHOENOLPYRUVATE

A MUTANT OF HUMAN RED CELL PYRUVATE KINASE WITH HIGH AFFINITY FOR PHOSPHOENOLPYRUVATE, Boivin P, Galand C *Enzyme* 18: 37-47, 1974 (Eng)

INTERRELATIONSHIP BETWEEN PHOSPHOENOLPYRUVATE AND CITRULLINE SYNTHESIS IN GUINEA PIG LIVER MITOCHONDRIA, Bryla J, Zaleski J, Kubica A *Acta Biochim Pol* 21: 199-211, 1974 (Eng)

I-PHOSPHOFRUCTOKINASE

DIFFERENT PATHWAYS FOR FRUCTOSE AND GLUCOSE UTILIZATION IN RHODOSPIRILLUM RUBRUM CAPSULATA AND DEMONSTRATION OF I-PHOSPHOFRUCTOKINASE IN PHOTOTROPHIC BACTERIA, Conrad R, Schlegel HG *Biochim Biophys Acta* 358: 221-5, 17 Jul 74 (Eng)

PHOSPHOGLUCOMUTASE

NUCLEAR MAGNETIC RESONANCE STUDIES ON SUBSTRATE BINDING TO PHOSPHOGLUCOMUTASE, Gadian DG, Radda GK, Richards RE *Biochim Biophys Acta* 358: 57-68, 17 Jul 74 (Eng)

PHOSPHOLIPASE EFFECT

EFFECT OF PHOSPHOLIPASES A AND C ON FREE AMINO ACID CONTENT OF THE SQUID AXON, Rosenberg P, Khairallah EA *J Neurochem* 23: 55-64, Jul 74 (Eng)

PHOSPHOLIPID METABOLISM

THE CALCIUM IONOPHORE A 23187 AS A PROBE FOR STUDYING THE ROLE OF CA²⁺ IONS IN THE MEDIATION OF CARBACHOL EFFECTS ON RAT SALIVARY GLANDS: PROTEIN SECRETION AND METABOLISM OF PHOSPHOLIPIDS AND GLYCOGEN, Rossignol B, Herman G, Chambaut AM, Keryer G *FEBS Lett* 43: 241-6, 15 Jul 74 (Eng)

THE EFFECT OF CAMP ON PHOSPHOLIPID METABOLISM, Imre S *Acta Biochim Biophys Acad Sci Hung* 7: 247-9, 1972 (Eng)

PHOSPHOLIPID MULTILAYER

INTERMOLECULAR STERIC INTERACTIONS AND LIPID CHAIN FLUIDITY IN PHOSPHOLIPID MULTILAYERS. A SPIN LABEL STUDY, Marsh D *Can J Biochem* 52: 631-6, Jul 74 (Eng)

PHOSPHOLIPID VESICLE

MEMBRANE FUSION AND MOLECULAR SEGREGATION IN PHOSPHOLIPID VESICLES, Papahadjopoulos D, Poste G, Schaeffer BE, Vail WJ *Biochim Biophys Acta* 352: 10-28, 30 May 74 (Eng)

PHOSPHORYLASE A

THE EFFECT OF NORADRENALINE AND TYRAMINE ON CARDIAC CONTRACTILITY, CYCLIC AMP, AND PHOSPHORYLASE A IN NORMAL AND HYPERTHYROID RATS, Young BA, McNeill JH *Can J Physiol Pharmacol* 52: 375-83, Jun 74 (Eng)

PHOSPHORYLATION

ELECTRON TRANSPORT PHOSPHORYLATION, Baltscheffsky H, Baltscheffsky M *Annu Rev Biochem* 43: 871-97, 1974 (Eng) [200]

ON THE RELATIONSHIPS BETWEEN THE STOICHIOMETRY OF OXIDATIVE PHOSPHORYLATION AND THE PHOSPHORYLATION POTENTIAL OF RAT LIVER MITOCHONDRIA AS FUNCTIONS OF RESPIRATORY STATE, Davis EJ, Lumeng L, Bottoms D *FEBS Lett* 39: 9-12, 1 Feb 74 (Eng)

REGULATION OF PYRUVATE-DEHYDROGENASE INTERCONVERSION IN RAT-LIVER MITOCHONDRIA AS RELATED TO THE PHOSPHORYLATION STATE OF INTRAMITOCHONDRIAL ADENINE NUCLEOTIDES, Wieland OH, Portenhauser R *Eur J Biochem* 45: 577-88, 15 Jun 74 (Eng)

PHOTOCOAGULATION EFFECT

[EFFECTS OF PHOTOCOAGULATION ON THE VELOCITY OF RETINAL CIRCULATION IN DIABETIC RETINOPATHY (AUTHORS TRANSL.) Okano T, Horiuchi T, Saruya S, Sugawara Y *Acta Soc Ophthalmol Jpn* 78: 926-38, 10 Sep 74 (Jpn)

PHYSICAL DEVELOPMENT

[INSULIN CONTENT IN THE BLOOD SERUM OF HEALTHY GIRLS AND THE INDICES OF PHYSICAL DEVELOPMENT] Morozova TP, Kolesov DV, Kasatkina IuN, Ametov AS, Smirnova LK *Vopr Okhr Materin Det* 19: 49-51, Oct 74 (Rus)

PHYSICAL DEVELOPMENT AND PERFORMANCE CAPACITY IN A GROUP OF DIABETIC CHILDREN AND ADOLESCENTS, Hebbelinc M, Loeb H, Meersseman H *Acta Paediatr Belg* 28 suppl: 151-61, 1974 (Eng)

PHYSICAL TRAINING

ALTERATION OF METABOLIC AND HORMONAL RESPONSES TO EXERCISE BY PHYSICAL TRAINING, Rennie MJ, Johnson RH *Eur J Appl Physiol* 33: 215-26, 1974 (Eng)

PHYSICIAN

PHYSICIANS GUIDELINES FOR THE DIABETIC IN INDUSTRY, Alexander RW, Tetrick L, Friedman GJ *J Occup Med* 16: 802-3, Dec 74 (Eng)

PHYSICIAN-PATIENT DISCREPANCY

MEDICATION USE AND MISUSE: PHYSICIAN-PATIENT DISCREPANCIES, Hulka BS, Kupper LL, Cassel JC, Efrid RL *J Chronic Dis* 28: 7-21, Jan 75 (Eng)

PIG INSULIN

THE CLINICAL SIGNIFICANCE OF HIGHLY PURIFIED PIG-INSULIN PREPARATIONS, Deckert T, Andersen OO, Poulsen JE *Diabetologia* 10: 703-8, Dec 74 (Eng)

Diabetes Literature—Keyword Index

PITUITARY, NEOPLASTIC

PITUITARY, NEOPLASTIC

FREEZE-FRACTURE IMAGES OF CAPILLARIES IN NORMAL AND NEOPLASTIC PITUITARIES. Tani E, Ikeda K, Kudo S, Yamagata S, Makita Y *Acta Neuropathol (Berl)* 28: 105-16, 1974 (Eng)

PITUITARY TUMOR CELL, RAT

USES OF PROLACTIN- AND GROWTH HORMONE-PRODUCING RAT PITUITARY TUMOR CELLS IN CULTURE. Hinkle PM *Lloydia* 37: 192-5, Jun 74 (Eng)

PLACENTA

[VALUE OF ANATOMOPATHOLOGICAL EXAMINATION OF THE PLACENTA DURING THE LAST TRIMESTER OF PREGNANCY] Monrozies M, Sarraon MF *Cal Med* 15: 283-7, 15 Jun 74 (Fre)

PLACENTAL LACTOGEN, HUMAN

[BIOLOGICAL AND RADIOIMMUNOLOGICAL STUDIES ON HUMAN PROLACTIN, HUMAN GROWTH HORMONE, AND HUMAN PLACENTAL LACTOGEN] Lindenmeyer D, Hornung D, Theile L *Eur Orthod Soc Rep Congr* 63: 217-24, May 74 (Eng)

CARBOHYDRATE METABOLISM IN PREGNANCY. XII. THE EFFECT OF ORAL GLUCOSE ON PLASMA CONCENTRATIONS OF HUMAN PLACENTAL LACTOGEN AND CHORIONIC GONADOTROPIN DURING LATE PREGNANCY IN NORMAL SUBJECTS AND GESTATIONAL DIABETICS. Surmaczynska BZ, Nitzan M, Metzger BE, Freinkel N *Isr J Med Sci* 10: 1481-6, Dec 74 (Eng)

PLACENTAL MATURATION

[QUANTITATION OF DIABETIC DISTURBANCES OF PLACENTAL MATURATION (AUTHORS TRANSL)] Emmrich P, Godel E, Muller G *Pathol Microbiol (Basel)* 41: 253-65, 1974 (Ger)

PLASMIN

ACTION OF PLASMIN ON OXIDIZED BOVINE GROWTH HORMONE. Graf L, Li CH *Arch Biochem Biophys* 161: 691-5, 2 Apr 74 (Eng)

PLATELET BEHAVIOR

[EFFECT OF GLICLAZIDE ON PLATELET BEHAVIOR] Verry M, Dechavanne M, Desnoyers P, Stoltz JF, Vainer H *Nouv Presse Med* 3: 2099-100, 5 Oct 74 (Fre)

PLATELET RELEASE

[CONCEPT OF PLATELET RELEASE REACTION. I. INDUCTORS, INHIBITORS AND ENERGETIC BALANCE. (COMPREHENSIVE REVIEW)] Kubisz P *Vnitř Lek* 20: 782-90, Sep 74 (Slo)

PLEURISY

[EXSUDATIVE PLEURISY IN RHEUMATOID ARTHRITIS] Hajzok O, Hajzokova M, Zitnan D, Rovenský J *Z Rheumatol* 33: 198-205, May-Jun 74 (Ger)

PLEURISY, PURULENT NONTUBERCULOUS

[STUDY OF 50 PURULENT NONTUBERCULOUS PLEURISIES SUBJECTED TO MEDICAL TREATMENT] Moigneteau C, Guillemet JM, Almazor M *Poumon Cœur* 30: 115-21, 1974 (Fre)

POLYENE ANTIBIOTIC

POLYENE ANTIBIOTIC-STEROL INTERACTIONS IN MEMBRANES OF ACHOLEPLASMA LAIDLAWII CELLS AND LECITHIN LIPOSOMES. I. SPECIFICITY OF THE MEMBRANE PERMEABILITY CHANGES INDUCED BY THE POLYENE ANTIBIOTICS. Kruijff B de, Gerritsen WJ, Oerlemans A, Demel RA, Deenen LL van *Biochim Biophys Acta* 339: 30-43, 26 Feb 74 (Eng)

POLYENE ANTIBIOTIC-STEROL INTERACTIONS IN MEMBRANES OF ACHOLEPLASMA LAIDLAWII CELLS AND LECITHIN LIPOSOMES. 3. MOLECULAR STRUCTURE OF THE POLYENE ANTIBIOTIC-CHOLESTEROL COMPLEXES. Kruijff B de, Demel RA *Biochim Biophys Acta* 339: 57-70, 26 Feb 74 (Eng)

POLYENE ANTIBIOTIC CHOLESTEROL COMPLEX

POLYENE ANTIBIOTIC-STEROL INTERACTIONS IN MEMBRANES OF ACHOLEPLASMA LAIDLAWII CELLS AND LECITHIN LIPOSOMES. 3. MOLECULAR STRUCTURE OF THE POLYENE ANTIBIOTIC-CHOLESTEROL COMPLEXES. Kruijff B de, Demel RA *Biochim Biophys Acta* 339: 57-70, 26 Feb 74 (Eng)

POLYENE ANTIBIOTIC EFFECT

THE EFFECTS OF THE POLYENE ANTIBIOTICS NYSTATIN AND AMPHOTERICIN B ON THIN LIPID MEMBRANES. Holz RW *Ann NY Acad Sci* 235: 469-79, 10 May 74 (Eng)

POLYENE ANTIBIOTIC STEROL INTERACTION

POLYENE ANTIBIOTIC-STEROL INTERACTIONS IN MEMBRANES OF ACHOLEPLASMA LAIDLAWII CELLS AND LECITHIN LIPOSOMES. II. TEMPERATURE DEPENDENCE OF THE POLYENE ANTIBIOTIC-STEROL COMPLEX FORMATION. Kruijff B de, Gerritsen WJ, Oerlemans A, Dijck PW van, Demel RA, Deenen LL van *Biochim Biophys Acta* 339: 44-56, 26 Feb 74 (Eng)

POLYMYXIN ANTIBIOTIC

BASIS FOR THE SELECTIVITY OF ACTION OF THE POLYMYXIN ANTIBIOTICS ON CELL MEMBRANES. Feingold DS, HsuChen CC, Sud U *Ann NY Acad Sci* 235: 480-92, 10 May 74 (Eng)

POLYNEUROPATHY, UREMIC

[UREMIC POLYNEUROPATHY AFTER RENAL TRANSPLANTATION (AUTHORS TRANSL)] Mamioli B, Kopsa H, Gerstenbrand F, Kotzauere R, Pateisky K *J Neurol* 208: 63-9, 1974 (Ger)

POLYPEPTIDE

ELECTROPHORETIC ANALYSIS OF POLYPEPTIDES OF PLASMA MEMBRANES FROM BOVINE PITUITARY GLAND. Lemay A, Labrie F *Can J Biochem* 52: 620-30, Jul 74 (Eng)

EM49: A NEW POLYPEPTIDE ANTIBIOTIC ACTIVE AGAINST CELL MEMBRANES. Meyers E, Parker WL, Brown WE, Linnett P, Strominger JL *Ann NY Acad Sci* 235: 493-501, 10 May 74 (Eng)

THE INTERACTION OF VASOACTIVE INTESTINAL POLYPEPTIDE AND SECRETIN

WITH LIVER-CELL MEMBRANES. Desbuquois B *Eur J Biochem* 46: 439-50, 1 Aug 74 (Eng)

POLYPEPTIDE TUMOR, PANCREAS

IMMUNOFLOURESCENCE, HISTOCHEMICAL AND ULTRASTRUCTURAL STUDIES FOR THE DETECTION OF MULTIPLE ENDOCRINE POLYPEPTIDE TUMOURS OF THE PANCREAS. Bordin C, Bussolati G *Virchows Arch [Zellpathol]* 17: 13-27, 1974 (Eng)

PORTACAVAL SHUNT

CURRENT CONCEPTS RELATING TO METABOLIC CHANGES AFTER PORTACAVAL SHUNTS, AND ALCOHOL AND THE PANCREAS. (2). ALCOHOL AND THE PANCREAS. Wheatley IC, Waterworth MW, Barbezat GO, Bank S, Marks S, Hickman R, Terblanche J *S Afr J Surg* 12: 202-4, Dec 74 (Eng)

PORTAL VESSEL, PITUITARY

ULTRASTRUCTURAL OBSERVATIONS OF ANTERIOR PITUITARY SOMATOTROPHS FOLLOWING PITUITARY PORTAL VESSEL INFUSION OF DIBUTYRYL CAMP. Wilbur DL, Worthington WC Jr, Markwald RR *Am J Anat* 141: 139-45, Sep 74 (Eng)

POSTMENOPAUSAL DEPRESSED WOMAN

GROWTH HORMONE RESPONSES TO HYPOGLYCEMIA IN POSTMENOPAUSAL DEPRESSED WOMEN. Gruen PH, Sachar EJ, Altman N, Sassini J *Arch Gen Psychiatry* 32: 31-3, Jan 75 (Eng)

POSTMORTEM CHEMISTRY

POSTMORTEM CHEMISTRIES ON BLOOD WITH PARTICULAR REFERENCE TO UREA NITROGEN, ELECTROLYTES, AND BILIRUBIN. Coe JJ *J Forensic Sci* 19: 33-42, Jan 74 (Eng)

POSTOPERATIVE PERIOD

EFFECTS OF FRUCTOSE AND GLUCOSE INFUSIONS ON BLOOD ACID-BASE EQUILIBRIUM IN THE POSTOPERATIVE PERIOD. Hessov I *Acta Chir Scand* 140: 347-51, 1974 (Eng)

POTASSIUM

THE SODIUM-POTASSIUM ADENOSINETRIPHOSPHATASE. Dahl JL, Hokin LE *Annu Rev Biochem* 43: 327-56, 1974 (Eng) [289]

POTASSIUM ABSENCE EFFECT

CATIONIC ENVIRONMENT AND DYNAMICS OF INSULIN SECRETION. III. EFFECT OF THE ABSENCE OF POTASSIUM. Henquin JC, Lambert AE *Diabetologia* 10: 789-94, Dec 74 (Eng)

POTASSIUM ION

THE ROLE OF MEMBRANE-BOUND MAGNESIUM IN THE PERMEABILITY OF GHOSTS TO K⁺. Romero PJ *Biochim Biophys Acta* 339: 116-25, 26 Feb 74 (Eng)

POTASSIUM, WHOLE BODY

STUDIES ON WHOLE-BODY POTASSIUM IN NON-KETOACIDOTIC DIABETICS BEFORE AND AFTER TREATMENT. Walsh CH, Soler NG, James H, Fitzgerald MG, Malins JM *Br Med J* 4: 738-40, 28 Dec 74 (Eng)

Diabetes Literature—Keyword Index

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THE EFFECT OF PRACTOLOL ON CIRCULATORY RESPONSE AFTER SYMPATHETIC STIMULATION AND ON PLASMA GROWTH HORMONE AND INSULIN LEVELS. Syvalahti E., Iisalo E., Leppanen O. *Ann Clin Res* 6: 258-65, Oct 74 (Eng)

PRADER LABHART WILLI SYNDROME

DIABETIC RETINOPATHY IN AN ADOLESCENT WITH PRADER-LABHART-WILLI SYNDROME. Savir A., Dickerman Z., Karp M., Laron Z. *Arch Dis Child* 49: 963-4, Dec 74 (Eng)

PREGNANCY

[VALUE OF ANATOMOPATHOLOGICAL EXAMINATION OF THE PLACENTA DURING THE LAST TRIMESTER OF PREGNANCY] Monrozies M., Sarraon MF. *Cah Med* 15: 283-7, 15 Jun 74 (Fre)

[DIABETES AND PREGNANCY] Troch F. *FNIB* 52: 11-25, Aug 74 (Dut)

[HYDRAMNIOS AND GLUCOSE TOLERANCE: THE INCIDENCE OF HYDRAMNIOS IN 461 PREGNANT PATIENTS SUSPECTED OF DIABETES CORRELATED TO GLUCOSE TOLERANCE (AUTHORS TRANSL.)] Engelhardt W. *Geburtshilfe Frauenheilkd* 34: 851-6, Oct 74 (Ger)

CARBOHYDRATE METABOLISM IN PREGNANCY. XII. THE EFFECT OF ORAL GLUCOSE ON PLASMA CONCENTRATIONS OF HUMAN PLACENTAL LACTOGEN AND CHORIONIC GONADOTROPIN DURING LATE PREGNANCY IN NORMAL SUBJECTS AND GESTATIONAL DIABETICS. Surmaczynska BZ., Nitzan M., Metzger BE., Freinkel N. *Isr J Med Sci* 10: 1481-6, Dec 74 (Eng)

ESTRIOL IN PREGNANCY. Ostergard DR. *Obstet Gynecol Surv* 28: 215-31, Apr 73 (Eng) [201]

[COURSE OF PREGNANCY AND LABOR IN DIABETES MELLITUS] Griaznova IM., Vtorova VG. *Akush Ginekol (Mosk)* 58-62, May 74 (Rus)

PREGNANCY, HIGH RISK

OXYTOCIN CHALLENGE TEST IN MONITORING HIGH-RISK PREGNANCIES. Cooper JM., Soffronoff EC., Bonagosa RJ. *Obstet Gynecol* 45: 27-33, Jan 75 (Eng)

PREGNANCY, LATE

CARBOHYDRATE METABOLISM IN PREGNANCY. XII. THE EFFECT OF ORAL GLUCOSE ON PLASMA CONCENTRATIONS OF HUMAN PLACENTAL LACTOGEN AND CHORIONIC GONADOTROPIN DURING LATE PREGNANCY IN NORMAL SUBJECTS AND GESTATIONAL DIABETICS. Surmaczynska BZ., Nitzan M., Metzger BE., Freinkel N. *Isr J Med Sci* 10: 1481-6, Dec 74 (Eng)

CURRENT STATUS OF ESTROGEN ASSAYS IN OBSTETRICS AND GYNECOLOGY. 2: ESTROGEN ASSAYS IN LATE PREGNANCY. Beischer NA., Brown JB. *Obstet Gynecol Surv* 27: 303-43, May 72 (Eng) [103]

PREVENTION

PREVENTION OF STROKE. Browder A., Browder J. *Can Med Assoc J* 112: 91-7, 8 Feb 75 (Eng)

[EARLY DIAGNOSIS AND PREVENTION OF DIABETES MELLITUS] Atzenhofer K., Schnetz H. *Med Welt* 26: 95-102, 17 Jun 75 (Ger) [35]

[PREVENTION OF THE RESPIRATORY DISTRESS SYNDROME IN THE NEWBORN BY STEROID THERAPY OF THE MOTHER BE-

FORE DELIVERY] Jmre H., Istvan F., Szabolcs S., Karoly M. *Orv Hetil* 116: 195-6, 26 Jun 75 (Hun)

PROBE

THE CALCIUM IONOPHORE A 23 187 AS A PROBE FOR STUDYING THE ROLE OF CA²⁺ IONS IN THE MEDIATION OF CARBACHOL EFFECTS ON RAT SALIVARY GLANDS: PROTEIN SECRETION AND METABOLISM OF PHOSPHOLIPIDS AND GLYCOGEN. Rossignol B., Herman G., Chambaut AM., Keryer G. *FEBS Lett* 43: 241-6, 15 Jul 74 (Eng)

PROLACTIN

[BIOLOGICAL AND RADIOIMMUNOLOGICAL STUDIES ON HUMAN PROLACTIN, HUMAN GROWTH HORMONE, AND HUMAN PLACENTAL LACTOGEN] Lindenmeyer D., Hornung D., Theile L. *Eur Orthod Soc Rep Congr* 63: 217-24, May 74 (Eng)

[REGULATION OF ESTROGEN RECEPTORS IN MAMMARY TUMORS: ACTION OF PROLACTIN IN VIVO] Vignon P., Rochefort H. *C R Acad Sci [D] (Paris)* 278: 103-6, Jan 74 (Fre)

PROLACTIN STIMULATION OF ESTROGEN RECEPTOR IN VITRO IN 7,12 DIMETHYLBENZ(A)ANTHRACENE-INDUCED MAMMARY TUMOR. Sasaki GH., Leung BS. *Res Commun Chem Pathol Pharmacol* 8: 409-12, Jun 74 (Eng)

USES OF PROLACTIN- AND GROWTH HORMONE-PRODUCING RAT PITUITARY TUMOR CELLS IN CULTURE. Hinkle PM. *Lloydia* 37: 192-5, Jun 74 (Eng)

PROCEEDINGS: THE RELATIONSHIP BETWEEN PROLACTIN AND GONADOTROPHINS: EFFECTS OF CLOMIPHENE ADMINISTRATION IN NORMAL MEN. Thorner MO., Besser GM., Hagen C., McNeilly AS. *J Endocrinol* 63: 43p-44p, Nov 74 (Eng)

PROLACTIN INHIBITING HORMONE

PURIFICATION OF A PROLACTIN INHIBITING HORMONE AND THE REVEALING OF HORMONE D-GHIH WHICH INHIBITS THE RELEASE OF GROWTH HORMONE. Greibrokk T., Currie BL., Johansson NK., Hansen JJ., Folkers K. *Biochem Biophys Res Commun* 59: 704-9, 24 Jul 74 (Eng)

PROLONGED EXERCISE

GLUCAGON AND PLASMA CATECHOLAMINE RESPONSES TO GRADED AND PROLONGED EXERCISE IN MAN. Galbo H., Holst JJ., Christensen NJ. *J Appl Physiol* 38: 70-6, Jun 75 (Eng)

PRONASE EFFECT

ENZYME-INDUCED MODIFICATIONS OF BETA CELL FUNCTION. I. EFFECT OF PRONASE ON INSULIN SECRETION. Lambert AE., Henquin JC., Orci L., Renold AE. *Eur J Clin Invest* 4: 459-68, 5 Dec 74 (Eng)

PROPIONATE

EFFECT OF BETAMETHASONE ON THE PRODUCTION OF GLUCOSE FROM PROPIONATE BY SHEEP. Ford EJ., Winchester JG. *J Endocrinol* 62: 51-7, Jul 74 (Eng)

PROSTAGLANDIN

EXISTENCE OF TWO POOLS OF PROSTAGLANDINS DURING STIMULATION OF THE THYROID BY TSH. Haye B., Champion S., Jacquemin C. *FEBS Lett* 41: 89-93, 15 Apr 74 (Eng)

PROSTATE

PROCEEDINGS: INSULIN AND TESTOSTERONE RESPONSES IN CULTURED PROSTATE. Fuller DJ., Coleshill SM., Chan KM., Thomas GH. *J Endocrinol* 63: 59p, Nov 74 (Eng)

PROTEASE, YEAST

SPECIFIC INACTIVATION OF FRUCTOSE 1,6-BISPHOSPHATASE FROM SACCHAROMYCES CEREVISIAE BY A YEAST PROTEASE. Molano J., Gancedo C. *Eur J Biochem* 44: 213-17, 2 May 74 (Eng)

PROTECTIVE EFFECT

ENZYMES OF CARBOHYDRATE AND FAT METABOLISM IN ANTI-INSULIN SERUM DIABETES: INACTIVATION BY FREE FATTY ACIDS AND THE PROTECTIVE EFFECT OF CELLULAR PROTEIN. Shafir E., Ruderman NB. *Diabetologia* 10: 731-42, Dec 74 (Eng)

PROTEIN

COMPLETE CONTROL OF THE LIPID ENVIRONMENT OF MEMBRANE-BOUND PROTEINS: APPLICATION TO A CALCIUM TRANSPORT SYSTEM. Warren GB., Toon PA., Birdsell NJ., Lee AG., Metcalfe JC. *FEBS Lett* 41: 122-4, 15 Apr 74 (Eng)

INCORPORATION RATE OF LEUCINE INTO PROTEINS IN HUMAN LIVER SLICES. Stakeberg H., Gustafson A., Schersten T. *Eur J Clin Invest* 4: 393-8, 5 Dec 74 (Eng)

BETA-PLEATED SHEET FIBRILS. A COMPARISON OF NATIVE AMYLOID WITH SYNTHETIC PROTEIN FIBRILS. Glenner GG., Eanes ED., Bladen HA., Linke RP., Termine JD. *J Histochem Cytochem* 22: 1141-58, Dec 74 (Eng)

[ANTIBODIES AGAINST THERAPEUTIC ANIMAL INSULINS AND HOMOLOGOUS PROTEINS IN THE COURSE OF DIABETES IN CHILDREN AND ADOLESCENTS] Karczewska K. *Med Dosw Mikrobiol* 26: 317-24, 1974 (Pol)

PROTEIN, CELLULAR

ENZYMES OF CARBOHYDRATE AND FAT METABOLISM IN ANTI-INSULIN SERUM DIABETES: INACTIVATION BY FREE FATTY ACIDS AND THE PROTECTIVE EFFECT OF CELLULAR PROTEIN. Shafir E., Ruderman NB. *Diabetologia* 10: 731-42, Dec 74 (Eng)

PROTEIN, HOMOLOGOUS

[ANTIBODIES AGAINST THERAPEUTIC ANIMAL INSULINS AND HOMOLOGOUS PROTEINS IN THE COURSE OF DIABETES IN CHILDREN AND ADOLESCENTS] Karczewska K. *Med Dosw Mikrobiol* 26: 317-24, 1974 (Pol)

PROTEIN, MEMBRANE

MEMBRANE PROTEINS OF CATECHOLAMINE-STORING VESICLES IN ADRENAL MEDULLA AND SYMPATHETIC NERVES. Winkler H., Hortnagl H., Asamer H., Plattner H. *Adv Exp Med Biol* 32: 69-81, 1972 (Eng)

PROTEIN METABOLISM

PROTEIN AND AMINO ACID METABOLISM AND REQUIREMENTS IN THE NEONATAL PERIOD. Lindblad BS. *Acta Anaesthesiol Scand [Suppl]* 102-6, 1974 (Eng)

Diabetes Literature—Keyword Index

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PROTEIN SECRETION

THE CALCIUM IONOPHORE A 23 187 AS A PROBE FOR STUDYING THE ROLE OF CA²⁺ IONS IN THE MEDIATION OF CARBACHOL EFFECTS ON RAT SALIVARY GLANDS: PROTEIN SECRETION AND METABOLISM OF PHOSPHOLIPIDS AND GLYCOGEN. Rossignol B, Herman G, Chambaut AM, Keryer G *FEBS Lett* 43: 241-6, 15 Jul 74 (Eng)

PROTEIN, SUGAR BINDING

[PROCEEDINGS: 369. PROPERTIES OF THE SUGAR-BINDING PROTEIN AND THE STRUCTURE OF THE TASTE CELL. (AUTHORS TRANSL.) Hiji Y *J Physiol Soc Jap* 35: 537-8, Aug-Sep 73 (Jap)

PROXIMAL TUBULAR LACTATE TRANSPORT

PROXIMAL TUBULAR LACTATE TRANSPORT IN RAT KIDNEY: A MICROPUNCTURE STUDY. Hohmann B, Frohner PP, Kinne R, Baumann K *Kidney Int* 5: 261-70, Apr 74 (Eng)

PSYCHIATRIC PATIENT

MULTIPHASIC SCREENING PROGRAMME FOR SOMATIC DISEASES AMONG ELDERLY LONG-TERM PSYCHIATRIC PATIENTS. Gjesdal K, Stromme JH *Br J Psychiatry* 124: 564-72, Jun 74 (Eng)

PSYCHIATRY

[BIRTH CONTROL METHODS IN PSYCHIATRY] Audebert A, Emperaire JC, Cohen J, Bourgeois M *Ann Med Psychol (Paris)* 2: 92-127, Jun 74 (Fre)

PSYCHOLOGICAL BEHAVIOR

[EFFECT OF LOW-CALORIE DIET ON LIPOLYTIC ENZYMES AND OTHER INDEXES AND PSYCHOLOGICAL BEHAVIOR OF CHILDREN WITH ORDINARY OBESITY] Szczepski O, Walczak M, Korman E, Socha J, Waligora Z *Endokrynol Pol* 25: 31-42, Jan-Feb 74 (Pol)

PSYCHOSOMATIC DISORDER

CHANGES OF SERUM GROWTH HORMONE IN PSYCHOSOMATIC DISORDERS. Suematsu H, Kurokawa N, Tamai H, Ikemi Y *Psychother Psychosom* 24: 161-4, 1974 (Eng)

PUBLIC HEALTH PROGRAM

DIABETES MELLITUS: AN UNDERESTIMATED PUBLIC HEALTH PROGRAM. Tokuhata GK, Miller W, Digon E, Hartman T *J Chronic Dis* 28: 23-35, Jan 75 (Eng)

PULMONARY TUBERCULOSIS

[COMPLICATION OF DIABETES MELLITUS BY PULMONARY TUBERCULOSIS IN MIDDLE-AGED AND OLD PATIENTS] Kordzakhia TP *Probl Endokrinol (Musk)* 20: 10-2, Sep-Oct 74 (Rus)

PYRENE EXCIMER

LATERAL DIFFUSION IN THE HYDROPHOBIC REGION OF MEMBRANES: USE OF PYRENE EXCIMER AS OPTICAL PROBES. Galla HJ, Sackmann E *Biochim Biophys Acta* 339: 103-15, 26 Feb 74 (Eng)

PYRIDINE NUCLEOTIDE

EFFECTS OF BICYCLIC LEUCINE ANALOGUES ON INSULIN RELEASE FROM THE PERFUSED RAT PANCREAS AND FLUORESCENCE OF REDUCED PYRIDINE NUCLEOTIDES FROM PERFUSED PANCREATIC ISLETS. Joost HG, Panten U, Ishida H, Poser W, Hasselblatt A *Life Sci* 16: 247-54, 15 Jun 75 (Eng)

PYRIDOXAL KINASE ACTIVITY

[MICROMETHOD FOR DETERMINING PYRIDOXAL KINASE ACTIVITY IN SERUM] Reinken L *Int J Vitam Nutr Res* 44: 189-94, 1974 (Ger)

PYRUVATE

MECHANISM OF STIMULATION OF THE HEXOSE MONOPHOSPHATE SHUNT OF ERYTHROCYTES BY PYRUVATE. Beutler E, Guinto E *Enzyme* 18: 7-18, 1974 (Eng)

ON THE FORMATION OF ACETYL-COA FROM GLUTAMINE AND THE MUTUAL INTERCONVERSION BETWEEN OXALOACETATE AND PYRUVATE IN RABBIT RETICULOCYTES. Muller M, Thamm R, Rapoport S *FEBS Lett* 42: 279-81, 15 Jun 74 (Eng)

PYRUVATE KINASE

A MUTANT OF HUMAN RED CELL PYRUVATE KINASE WITH HIGH AFFINITY FOR PHOSPHOENOLPYRUVATE. Boivin P, Galand C *Enzyme* 18: 37-47, 1974 (Eng)

COMPETITION FOR ADP BETWEEN PYRUVATE KINASE AND MITOCHONDRIAL OXIDATIVE PHOSPHORYLATION AS A CONTROL MECHANISM IN GLYCOLYSIS. Gosálvez M, Perez-García J, Weinhouse S *Eur J Biochem* 46: 133-40, 1 Jul 74 (Eng)

PYURIA

[PYURIAS. DEFINITION] Anonymous *Cah Med* 15: 395-480, Jul 74 (Fre)

QUALITY CONTROL

[USE OF ELECTRONIC COMPUTERS FOR QUALITY CONTROL OF SOME LABORATORY TESTS MADE WITH CONTINUOUS-FLOW APPARATUS] Rossi E *Quad Scavo Diagn* 9: 819-36, Sep 73 (Ita)

QUANTAL RESPONSE UNIT

THEORY OF HORMONE-RECEPTOR INTERACTION. 3. THE ENDOCRINE TARGET CELL AS A QUANTAL RESPONSE UNIT: A GENERAL CONTROL MECHANISM. Rodbard D *Adv Exp Med Biol* 36: 342-64, 1973 (Eng)

QUANTUM CHEMICAL STUDY

QUANTUM CHEMICAL STUDY OF GLUCOSE, G-1-P AND G-6-P MOLECULES AS THE EFFECTORS OF AN ENZYME. Gaspar R Jr *Acta Biochim Biophys Acad Sci Hung* 7: 275-84, 1972 (Eng)

QUATERNARY STRUCTURE

INTESTINAL ALKALINE PHOSPHATASE. PHYSICAL PROPERTIES AND QUATERNARY STRUCTURE. Fosset M, Chappet-Tordo D, Lazdunski M *Biochemistry* 13: 1783-8, 23 Apr 74 (Eng)

RABBIT

[ASPECTS OF AEROBIC RESPIRATION IN THE HEART AND AORTIC WALL IN THE EXPERIMENTAL RABBIT ATHEROSCLEROSIS (AUTHORS TRANSL.) Pinto G, Erlon L, Rodrigues A, Nery JW, Machado AE *Rev Bras Pesqui Med Biol* 7: 133-8, Mar-Apr 74 (Por)

RADIANT TEMPERATURE SET POINT

THE EFFECTS OF FOUR DIFFERENT RADIANT WARMER TEMPERATURE SET-POINTS USED FOR REWARMING NEONATES. Motil KJ, Blackburn MG, Pleasure JR *J Pediatr* 85: 546-50, Oct 74 (Eng)

RADIOACTIVE XENON

EVALUATION OF PERIPHERAL VASCULAR DISEASE USING RADIOACTIVE XENON. Denaro JA, Weinstein G, Imparato AM, Braunstein P *Rev Surg* 32: 65-7, Jan-Feb 75 (Eng)

RADIOIMMUNOASSAY

LETTER: GROWTH WITH ABSENT GROWTH HORMONE BY RADIOIMMUNOASSAY. Saenger P, Levine LS, Wiedemann E, Schwartz E, New MI *J Pediatr* 85: 137-8, Jul 74 (Eng)

THE DIAGNOSTIC VALUE OF RADIOIMMUNOASSAY IN CLINICAL MEDICINE. Cullen MJ Jr *J Med Sci* 0: suppl046-9, Jul 74 (Eng)

THEORY OF RADIOIMMUNOASSAYS AND HORMONE-RECEPTOR INTERACTIONS. II. SIMULATION OF ANTIBODY DILENCY, COOPERATIVITY AND ALLOSTERIC EFFECTS. Rodbard D, Bertino RE *Adv Exp Med Biol* 36: 327-41, 1973 (Eng)

POWER-POINT SYSTEM TO EVALUATE RADIOIMMUNOASSAYS. Cerceo E *Lah Pract* 23: 625-9, Nov 74 (Eng)

[COMPARATIVE STUDY OF 2 METHODS OF PLASMA INSULIN RADIOIMMUNOASSAY. DOUBLE ANTIBODY AND SOLID PHASE METHODS] Orsetti A, Collard F *Pathol Biol (Paris)* 22: 771-3, Nov 74 (Fre)

RADIOIMMUNOASSAY SCOPE

THE SCOPE OF RADIOIMMUNOASSAY. Devlin JG Jr *J Med Sci* 0: suppl036-42, Jul 74 (Eng)

RADIOLOGICAL USEFULNESS

[EFFECT OF GLUCAGON ON THE MUSCULOTONE OF THE DUODENAL WALL. RADIOLOGICAL USEFULNESS] Silvan Delgado M, Juancito Pedregal C, Gonzalez Tutor A, Fernandez Echevarria MA *Rev Esp Enferm Apar Dig* 44: 797-810, 15 Dec 74 (Spa)

REBOUND PHENOMENON

[THE FACTORS WHICH START THE REBOUND PHENOMENON IN THE SERUM FFA FOLLOWING INSULIN ADMINISTRATION] Bostanci N *Turk Tip Cemiy Mecm* 36: 185-97, 1970 (Tur)

RECEPTOR

THE IN VIVO LOCALIZATION OF HIGH-AFFINITY PHLORIZIN RECEPTORS TO THE BRUSH BORDER SURFACE OF THE PROXIMAL TUBULE IN DOG KIDNEY. Silverman M *Biochim Biophys Acta* 339: 92-102, 26 Feb 74 (Eng)

BINDING OF INSULIN AND OTHER HORMONES TO NON-RECEPTOR MATERIALS: SATURABILITY, SPECIFICITY AND APPARENT NEGATIVE COOPERATIVITY. Cuatrecasas P, Hollenberg MD *Biochem Biophys Res Commun* 62: 31-41, 6 Jan 75 (Eng)

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RECEPTOR, HORMONE

MATHEMATICS OF HORMONE-RECEPTOR INTERACTION. I. BASIC PRINCIPLES. Rodbard D *Adv Exp Med Biol* 36: 289-326, 1973 (Eng)

THEORY OF HORMONE-RECEPTOR INTERACTION. 3. THE ENDOCRINE TARGET CELL AS A QUANTAL RESPONSE UNIT: A GENERAL CONTROL MECHANISM. Rodbard D *Adv Exp Med Biol* 36: 342-64, 1973 (Eng)

THEORY OF RADIOIMMUNOASSAYS AND HORMONE-RECEPTOR INTERACTIONS. II. SIMULATION OF ANTIBODY DIVALENCY, COOPERATIVITY AND ALLOSTERIC EFFECTS. Rodbard D, Bertino RE *Adv Exp Med Biol* 36: 327-41, 1973 (Eng)

RED BLOOD CELL

[RED BLOOD CELLS AS EFFECTORS OF THYROID HORMONES] Weinstein M, Iparraguirre de Weinstein B *Medicina (B Aires)* 34: 146-56, Mar 74 (Spa) [106]

EFFECT OF TEMPERATURE ON SULFATE MOVEMENTS ACROSS CHEMICALLY OR ENZYMATICALLY MODIFIED MEMBRANES OF HUMAN RED BLOOD CELLS. Schwoch G, Rudloff V, Wood-Guth I, Passow H *Biochim Biophys Acta* 339: 126-38, 26 Feb 74 (Eng)

FRUCTOSE METABOLISM IN THE HUMAN RED BLOOD CELL. Moses SW, Bashan N *Isr J Med Sci* 10: 707-11, Jul 74 (Eng)

RED CELL

METABOLIC STUDIES ON RED CELLS FROM PATIENTS WITH CHRONIC RENAL DISEASE ON HAEMODIALYSIS. Wallas CH *Br J Haematol* 26: 71-8, Jan 74 (Eng)

RED CELL, HUMAN

A MUTANT OF HUMAN RED CELL PYRUVATE KINASE WITH HIGH AFFINITY FOR PHOSPHOENOLPYRUVATE. Boivin P, Galand C *Enzyme* 18: 37-47, 1974 (Eng)

REFLECTANCE METER

BLOOD GLUCOSE MEASUREMENT WITH DEXTROSTIX AND NEW REFLECTANCE METER. Schersten B, Kuhl C, Hollender A, Ekman R *Br Med J* 3: 384-7, 10 Aug 74 (Eng)

REGULATION MECHANISM

REGULATORY MECHANISMS FOR LIVER ACETYL COENZYME A CARBOXYLASE. Numa S, Hashimoto T, Nakanishi S, Okazaki T *Biochem Soc Symp* 27-39, 1972 (Eng)

REHABILITATION

[REHABILITATION NURSING OF PATIENTS WITH CHRONIC DISEASES. BESIDE EDUCATION OF PATIENTS WITH DIABETES MELLITUS] Matsunaga K *Jpn J Nurs Art* 20: 57-66, Oct 74 (Jpn)

RENAL CORTEX

TRANSPORT OF D-GLUCOSE BY BRUSH BORDER MEMBRANES ISOLATED FROM THE RENAL CORTEX. Aronson PS, Sacktor B *Biochim Biophys Acta* 356: 231-43, 31 Jul 74 (Eng)

RENAL DISEASE, CHRONIC

METABOLIC STUDIES ON RED CELLS FROM PATIENTS WITH CHRONIC RENAL DISEASE ON HAEMODIALYSIS. Wallas CH *Br J Haematol* 26: 71-8, Jan 74 (Eng)

METABOLIC STUDIES ON THE ERYTHROCYTE FROM PATIENTS WITH CHRONIC RENAL DISEASE ON HAEMODIALYSIS. II. ATP METABOLISM. Wallas CH *Br J Haematol* 27: 145-52, May 74 (Eng)

RENAL FAILURE

CHANGES IN GLUCOSE TOLERANCE, INSULIN, SERUM LIPIDS AND LIPOPROTEINS IN PATIENTS WITH RENAL FAILURE ON INTERMITTENT HAEMODIALYSIS. Atora KK, Atkinson MK, Trafford JA, Sheldon J, Nunn R *Postgrad Med J* 49: 293-6, May 73 (Eng)

[GLYCID METABOLISM DISORDER IN RENAL FAILURE, THERAPEUTIC SEQUELAE] Dzurik R, Cernacek P *Vnitr Lek* 21: 22-7, Jan 75 (Slo)

SERUM GROWTH HORMONE (GH) AND INSULIN (IRI) AFTER ORAL GLUCOSE IN SUBJECTS WITH RENAL FAILURE. Viljanen MK, Nousiainen R, Kasanen A, Frosstrom J *Ann Clin Res* 6: 266-71, Oct 74 (Eng)

RENAL FAILURE, ACUTE

AMINO ACID METABOLISM IN ACUTE RENAL FAILURE: INFLUENCE OF INTRAVENOUS ESSENTIAL L-AMINO ACID HYPERALIMENTATION THERAPY. Abel RM, Shih VE, Abbott WM, Beck CH Jr, Fischer JE *Ann Surg* 180: 350-5, Sep 74 (Eng)

RENAL PAPILLARY NECROSIS

[A CASE OF MULTIPLE RENAL PAPILLARY NECROSIS IN A DIABETIC] Viala JJ, Beaulieux J, Berard E *J Radiol Electrol Med Nucl* 55: 599-601, Aug-Sep 74 (Fre)

RENAL TRANSPORT, LAMB

EFFECT OF INSULIN UPON RENAL AMINO ACID TRANSPORT IN LAMBS. Scharrer E, Landes C, Scholl H *Experientia* 30: 1416-8, 15 Dec 74 (Eng)

RESISTANCE

CARBOHYDRATE METABOLISM IN SHOCK RESISTANCE. Bardoczi A, Aroksallasi J, Karady S *Adv Exp Med Biol* 33: 649-53, 1972 (Eng)

[TRIAL OF RESIVIT ON CONJUNCTIVAL CAPILLARY RESISTANCE] Bakri M *Bull Soc Ophthalmol Fr* 74: 259-61, Feb 74 (Fre)

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[TRIAL OF RESIVIT ON CONJUNCTIVAL CAPILLARY RESISTANCE] Bakri M *Bull Soc Ophthalmol Fr* 74: 259-61, Feb 74 (Fre)

RESPIRATION

[ASPECTS OF AEROBIC RESPIRATION IN THE HEART AND AORTIC WALL IN THE EXPERIMENTAL RABBIT ATHEROSCLEROSIS (AUTHORS TRANSL)] Pinto G, Erlon L, Rodrigues A, Nery JW, Machado AE *Rev Bras Pesqui Med Biol* 7: 133-8, Mar-Apr 74 (Por)

RESPIRATION, EXTERNAL

[EFFECT OF THE CONDITIONS OF INTRAUTERINE DEVELOPMENT ON THE ESTABLISHMENT OF EXTERNAL RESPIRATION AFTER BIRTH] Poliakov GP, Finkel ML *Akush Ginekol (Mosk)* 41: 5, Mar 74 (Rus)

RESPIRATORY DISEASE, CHRONIC

THE TECUMSEH STUDY OF RESPIRATORY ILLNESS. VIII. ACUTE INFECTION IN CHRONIC RESPIRATORY DISEASE AND COMPARISON GROUPS. Monto AS, Higgins MW, Ross HW *Am Rev Respir Dis* 111: 27-36, Jan 75 (Eng)

RESPIRATORY DISTRESS SYNDROME

[PREVENTION OF THE RESPIRATORY DISTRESS SYNDROME IN THE NEWBORN BY STEROID THERAPY OF THE MOTHER BEFORE DELIVERY] Jmre H, Istvan F, Szabolcs S, Karoly M *Orv Hetil* 116: 195-6, 26 Jun 75 (Hung)

RESPIRATORY ILLNESS

THE TECUMSEH STUDY OF RESPIRATORY ILLNESS. VIII. ACUTE INFECTION IN CHRONIC RESPIRATORY DISEASE AND COMPARISON GROUPS. Monto AS, Higgins MW, Ross HW *Am Rev Respir Dis* 111: 27-36, Jan 75 (Eng)

RESPIRATORY TISSUE, CANINE

GLYCOSYLTRANSFERASES IN CANINE RESPIRATORY TISSUE. ALTERATIONS IN AN EXPERIMENTALLY INDUCED HYPERSECRETORY STATE. Baker AP, Chakrin LW, Sawyer JL, Munro JR, Hillegass LM, Giannone E *Biochem Med* 10: 387-99, Aug 74 (Eng)

RETICULOCYTE, RABBIT

ON THE FORMATION OF ACETYL-COA FROM GLUTAMINE AND THE MUTUAL INTERCONVERSION BETWEEN OXALOACETATE AND PYRUVATE IN RABBIT RETICULOCYTES. Muller M, Thamm R, Rapoport S *FEBS Lett* 42: 279-81, 15 Jun 74 (Eng)

RETINA

DISPLACEMENT INTO INCUBATION MEDIUM BY ALBUMIN OF HIGHLY UNSATURATED RETINA FREE FATTY ACIDS ARISING FROM MEMBRANE LIPIDS. Aveland ML, Bazan NG *FEBS Lett* 40: 53-6, 15 Mar 74 (Eng)

EDITORIAL: THE CELL CYCLE, DIABETES, AND THE RETINA. Futterman S *Invest Ophthalmol* 14: 4-6, Jun 75 (Eng)

RETINAL CIRCULATION

[EFFECTS OF PHOTOCOAGULATION ON THE VELOCITY OF RETINAL CIRCULATION IN DIABETIC RETINOPATHY (AUTHORS TRANSL)] Okano T, Horiuchi T, Saruya S, Sukegawa Y *Acta Soc Ophthalmol Jpn* 78: 926-38, 10 Sep 74 (Jpn)

RETINOPATHY, DIABETIC

[CONCERNING THE RELATIONSHIP BETWEEN SERUM LIPIDS AND LIVER STEATOSIS IN DIABETIC RETINOPATHY AND NEPHROPATHY (AUTHORS TRANSL)] Kolesar P, Brixova E, Tomik F *Bratisl Lek Listy* 62: 662-9, Dec 74 (Slo)

[AN EXCEPTIONAL FORM OF DIABETIC RETINOPATHY: PATZS PAPILLOMACULOPATHY. APROPOS OF A CASE] Amalric P, Zayed A, Aubertin J *Bull Soc Ophthalmol Fr* 74: 201-5, Feb 74 (Fre)

[OCULAR ULTRASONIC BLOOD RHEOGRAPHY WITH O-CROSS COUNTER. REPORT IV. STUDIES OF DIABETIC RETINOPATHY] Yamamoto Y, Hirano S, Kaburagi H, Tomota M, Sueno M *Acta Soc Ophthalmol Jpn* 78: 913-25, 10 Sep 74 (Jpn)

REVASCULARIZATION

[EFFECTS OF PHOTOCOAGULATION ON THE VELOCITY OF RETINAL CIRCULATION IN DIABETIC RETINOPATHY (AUTHORS TRANSL.) Okano T, Horiuchi T, Saruya S, Sugawara Y *Acta Soc Ophthalmol Jpn* 78: 926-38, 10 Sep 74 (Jpn)

DIABETIC RETINOPATHY IN AN ADOLESCENT WITH PRADER-LABHART-WILLI SYNDROME. Savir A, Dickerman Z, Karp M, Laron Z *Arch Dis Child* 49: 963-4, Dec 74 (Eng)

REVASCULARIZATION

FEMOROPERONEAL BYPASS: EVALUATION OF POTENTIAL FOR REVASCULARIZATION OF THE SEVERELY ISCHEMIC LOWER EXTREMITY. Reichle FA, Tyson RR *Ann Surg* 181: 182-5, Feb 75 (Eng)

REVIEW

[CONCEPT OF PLATELET RELEASE REACTION. I. INDUCTION, INHIBITORS AND ENERGETIC BALANCE. (COMPREHENSIVE REVIEW)] Kubisz P *Vutr Lek* 20: 782-90, Sep 74 (Slo)

BOVINE KETOSIS: A REVIEW WITH RECOMMENDATIONS FOR CONTROL AND TREATMENT. Baird GD, Heitzman RJ, Hibbitt KG, Hunter GD *Br Vet J* 130: 214-20, May-Jun 74 (Eng) [20]

ORAL CONTRACEPTION. A REVIEW OF REPORTED PHYSIOLOGICAL AND PATHOLOGICAL EFFECTS. Andrews WC *Obstet Gynecol Surv* 26: 477-99, Jul 71 (Eng) [174]

[ADAPTIVE IMPORTANCE OF GLUCONEOGENESIS IN HEALTHY AND DISEASED BODY (REVIEW)] Genes SG *Patol Fiziol Eksp Ter* 74-81, Nov-Dec 74 (Rus) [81]

RHESUS MONKEY

PATTERNS OF SPONTANEOUS CORTISOL AND GROWTH HORMONE SECRETION IN RHESUS MONKEYS DURING THE SLEEP-WAKING CYCLE. Jacoby JH, Sassin JF, Greenstein M, Weitzman ED *Neuroendocrinology* 14: 165-73, 74 (Eng)

RHIZOBIUM LUPINI

[STUDY OF SUGARS AND CARBOHYDRATE METABOLISM ENZYMES IN RHIZOBIUM LUPINI IN SYMBIOSIS] Petrova AN, Chermenskaja IE, Kretovich VL *Dokl Akad Nauk SSSR* 217: 479-80, 11 Jul 74 (Rus)

RHODOPSEUDOMONAS CAPSULATA

DIFFERENT PATHWAYS FOR FRUCTOSE AND GLUCOSE UTILIZATION IN RHODOPSEUDOMONAS CAPSULATA AND DEMONSTRATION OF 1-PHOSPHOFRUCTOKINASE IN PHOTOTROPHIC BACTERIA. Conrad R, Schlegel HG *Biochim Biophys Acta* 358: 221-5, 17 Jul 74 (Eng)

RHYTHMICAL ACTIVITY

[RHYTHMICAL ACTIVITY OF THE ADRENAL CORTEX IN VARIOUS STATES OF THE AUTONOMIC NERVOUS SYSTEM] Belova TA, Khamidov GD *Probl Endokrinol (Mosk)* 20: 49-53, Jan-Feb 74 (Rus)

RIBONUCLEIC ACID

AN IN VIVO INSULIN EFFECT ON HEPATOCYTE CHROMATIN DETERMINED BY DNA-RNA HYBRIDIZATION. Drake RL, Morgan CR *Biochem Biophys Res Commun* 62: 342-9, 20 Jan 75 (Eng)

RISK FACTOR

[THE RISK FACTORS OF CORONARY DISEASE] Di Matteo J, Fleury G *Rev Prat* 24: 5059-60, 5065-6, 5069-71, 7-11 Dec 74 (Fre)

RUMEN

[RUMEN ACIDOSIS AND THE DIABETIC SYNDROME IN CATTLE] Ivanov IT *Vet Med Nauki* 11: 59-63, 1974 (Bul)

RUMINANT

GLUCONEOGENESIS IN RUMINANTS: GLUCOSE KINETIC PARAMETERS IN CALVES UNDER STANDARDIZED CONDITIONS. Young JW, Trott DR, Berger PJ, Schmidt SP, Smith JA *J Nutr* 104: 1049-55, Aug 74 (Eng)

RUNNING

HEART RATE AND ENERGY-YIELDING SUBSTRATES IN BLOOD DURING LONG-LASTING RUNNING. Keul J, Haralambie G, Arnold T, Schumann W *Eur J Appl Physiol* 32: 279-89, 1974 (Eng)

SACCHARIN

CHANGES IN THE RATS PREFERENCE FOR SACCHARIN AND SODIUM CHLORIDE SOLUTIONS FOLLOWING INJECTION OF ALLOXAN MONOHYDRATE. Brookshire KH *J Comp Physiol Psychol* 87: 1061-8, Dec 74 (Eng)

SACCHARINE DISEASE

THE SACCHARINE DISEASE. Cleave TL *Nurs Times* 70: 1274-5, 15 Aug 74 (Eng)

SACCHAROMYCES CEREVISIAE

A GENERALIZED MATHEMATICAL MODEL FOR THE GROWTH KINETICS OF SACCHAROMYCES CEREVISIAE WITH EXPERIMENTAL DETERMINATION OF PARAMETERS. Perring P, Blachere H, Corrieu G, Lane AG *Biotechnol Bioeng* 16: 431-54, Apr 74 (Eng)

BIOTIN UPTAKE BY COLD-SHOCKED CELLS, SPHEROPLASTS, AND REPRESSED CELLS OF SACCHAROMYCES CEREVISIAE: LACK OF FEEDBACK CONTROL. Ciernacek JF, Lichstein HC *J Bacteriol* 119: 718-25, Sep 74 (Eng)

SPECIFIC INACTIVATION OF FRUCTOSE 1,6-BISPHOSPHATASE FROM SACCHAROMYCES CEREVISIAE BY A YEAST PROTEASE. Molano J, Gancedo C *Eur J Biochem* 44: 213-17, 2 May 74 (Eng)

SALIVA, HOST COMPROMISED

THE ANTIFUNGAL ACTIVITY OF NORMAL AND HOST-COMPROMISED SALIVA ON SPACEFLIGHT FUNGAL PHENOTYPES. Dublin M, Volz PA, Bulmer GS *Mycopathol Mycol Appl* 54: 499-516, 18 Dec 74 (Eng)

SALIVARY GLAND, RAT

THE CALCIUM IONOPHORE A 23187 AS A PROBE FOR STUDYING THE ROLE OF CA²⁺ IONS IN THE MEDIATION OF CARBACHOL EFFECTS ON RAT SALIVARY GLANDS: PROTEIN SECRETION AND METABOLISM OF PHOSPHOLIPIDS AND GLYCOGEN. Rossignol B, Herman G, Chambaut AM, Keryer G *FEBS Lett* 43: 241-6, 15 Jul 74 (Eng)

SATURABILITY

BINDING OF INSULIN AND OTHER HORMONES TO NON-RECEPTOR MATERIALS: SATURABILITY, SPECIFICITY AND APPARENT NEGATIVE COOPERATIVITY. Cuatrecasas P, Hollenberg MD *Biochem Biophys Res Commun* 62: 31-41, 6 Jan 75 (Eng)

SCHIZOPHRENIA

NEW DRUG FOR SCHIZOPHRENIA Anonymous *Br Med J* 4: 614-5, 14 Dec 74 (Eng)

SCREENING

LETTER: SCREENING FOR DIABETES. Prout TE *Lancet* 1: 166-7, 18 Jan 75 (Eng)

SECRETIN

THE INTERACTION OF VASOACTIVE INTESTINAL POLYPEPTIDE AND SECRETIN WITH LIVER-CELL MEMBRANES. Desbuquois B *Eur J Biochem* 46: 439-50, 1 Aug 74 (Eng)

SECRETIN EFFECT

[QUANTITATIVE STUDIES OF THE EFFECT OF PANCREATIC GLUCAGON AND SECRETIN ON GASTROINTESTINAL MOTILITY IN MAN RECORDED BY SIMULTANEOUS ELECTRO-MANOMETRIC REGISTRATION (AUTHORS TRANSL.) Paul F *Klin Wochenschr* 52: 983-9, 15 Oct 74 (Ger)

SEDIMENTATION VELOCITY

[LONG-TERM STUDY OF ESSENTIAL BLOOD CORPUSCLE SEDIMENTATION VELOCITY] Schmidt HW *Z Allgemeinmed* 50: 1221-4, 10 Oct 74 (Ger)

SEMICARBAZIDE

[ISOXAZOLECARBOXAMIDOALKYL-BENZOLE-SULFONYLUREA, -SEMICARBAZIDE AND -AMINOPYRIMIDINE AS WELL AS RELATED COMPOUNDS AND THEIR BLOOD SUGAR REDUCING ACTIVITY] Plümpe H, Horstmann H, Puls W *Arzneim Forsch* 24: 363-74, Mar 74 (Ger)

SEPHAROSE

BINDING OF CONCAVALIN A-SEPHAROSE TO GLYCOPROTEINS OF LIVER MICROSOMAL MEMBRANES. Winqvist L, Eriksson LC, Dallner G *FEBS Lett* 42: 27-31, 15 May 74 (Eng)

D-SERINE

THE NATURE OF D-SERINE-INDUCED NEPHROTOXICITY. Ganote CE, Peterson DR, Carone FA *Am J Pathol* 77: 269-82, Nov 74 (Eng)

SEROTONIN EFFECT

TO THE ADIPOKINETIC EFFECT OF SEROTONIN IN VITRO. Rath R, Kujalova V *Eur Orthod Soc Rep Congr* 63: 254-8, May 74 (Eng)

SERUM

[EFFECT OF THE INHIBITOR OF GLUCOSE UTILIZATION, ISOLATED FROM SERUM OF PATIENTS IN UREMIA, UPON MORPHOLOGY AND MEMBRANE PERMEABILITY OF ERYTHROCYTES (AUTHORS TRANSL.) Gajdos M, Dzurik R *Bratisl Lek Listy* 62: 29-34, 1974 (Slo)

Diabetes Literature—Keyword Index

[MICROMETHOD FOR DETERMINING PYRIDOXAL KINASE ACTIVITY IN SERUM] Reinken L. *Int J Vitam Nutr Res* 44: 189-94, 1974 (Ger)

[SOMATOMEDIN ACTIVITY OF THE SERUM IN THE NORMAL CHILD AND IN HYPOPIUITARISM] Binet E, Schlumberger A, Chaussain JL. *Job JC Arch Fr Pediatr* 31: 339-46, Apr 74 (Fre)

IMMOBILIZED GLUCOSE OXIDASE USED TO MEASURE GLUCOSE IN SERUM. Kunz HJ, Stastny M. *Clin Chem* 20: 1018-22, Aug 74 (Eng)

SOME CHEMICAL PARAMETERS OF SERUM, CEREBROSPINAL FLUID, PERILYMPH, AND AQUEOUS HUMOR OF THE CHINCHILLA. Juhn SK, Haugen J, Steven L. *Lab Anim Sci* 24: 691-5, Aug 74 (Eng)

[THE FACTORS WHICH START THE REBOUND PHENOMENON IN THE SERUM FFA FOLLOWING INSULIN ADMINISTRATION] Bostanci N. *Turk Tip Cemiy Mecm* 36: 185-97, 1970 (Tur)

SERUM, HUMAN

INTERACTION OF HUMAN SERUM HIGH DENSITY LIPOPROTEINS WITH TRIGLYCERIDES IN VITRO. Koren E, Maric Z, Milkovic S. *FEBS Lett* 44: 43-9, 15 Aug 74 (Eng)

SEX

SEX RELATED DIURNAL VARIATIONS IN VENOUS BLOOD GLUCOSE AND PLASMA INSULIN LEVELS. EFFECTS OF ESTROGENS IN MEN. Hauteceuvre M, Slama G, Assan R, Tchobrousky G. *Diabetologia* 10: 725-30, Dec 74 (Eng)

SGOT

SEE SERUM GLUTAMIC OXALOACETIC TRANSAMINASE

SHEEP

EFFECT OF BETAMETHASONE ON THE PRODUCTION OF GLUCOSE FROM PROPIONATE BY SHEEP. Ford EJ, Winchester JG. *J Endocrinol* 62: 51-7, Jul 74 (Eng)

SHOCK

CARBOHYDRATE METABOLISM IN SHOCK RESISTANCE. Bardocz A, Aroksallasi J, Karady S. *Adv Exp Med Biol* 33: 649-53, 1972 (Eng)

SHORT STATURE

SHORT STATURE AS THE ONLY CLINICAL SIGN OF CUSHINGS SYNDROME. Lec PA, Weldon VV, Migeon CJ. *J Pediatr* 86: 89-91, Jan 75 (Eng)

SHOULDER EFFECT

PH CONTROL AND THE SHOULDER EFFECT IN PARALLEL FERMENTATION PATHWAYS. Tanner RD, Overley JR. *Biotechnol Bioeng* 16: 485-500, Apr 74 (Eng)

SIMULATION

THEORY OF RADIOIMMUNOASSAYS AND HORMONE-RECEPTOR INTERACTIONS. II. SIMULATION OF ANTIBODY DIVALENCY, COOPERATIVITY AND ALLOSTERIC EFFECTS. Rodbard D, Bertino RE. *Adv Exp Med Biol* 36: 327-41, 1973 (Eng)

SKELETAL MUSCLE

DIFFERENT MECHANISMS IN TESTOSTERONE ACTION ON GLYCOGEN METABOLISM IN RAT PERINEAL AND SKELETAL MUSCLES. Bergamini E. *Endocrinology* 96: 77-84, Jan 75 (Eng)

SKELETAL MUSCLE, FROG

[MECHANISM OF ACTION OF OUABAIN ON CARBOHYDRATE TRANSPORT IN FROG SKELETAL MUSCLES] Nikolskii NN, Skopicheva VI, Troshin AS. *Dokl Akad Nauk SSSR* 219: 1231-4, 1974 (Rus)

SKIN, EAR LOBE

THE LYMPHOCYTIC INFILTRATES IN THE EAR-LOBE SKIN OF DIABETICS. Posinovec J. *Arch Dermatol Forsch* 251: 117-22, 1974 (Eng)

SLEEP

THE EFFECT OF ACUTE FASTING ON SLEEP AND THE SLEEP-GROWTH HORMONE RESPONSE. Karacan I, Rosenbloom AL, Londono JH, Salis PJ, Thornby JI, Williams RL. *Psychosomatics* 14: 33-7, Jan-Feb 73 (Eng)

SLEEP WAKING CYCLE

PATTERNS OF SPONTANEOUS CORTISOL AND GROWTH HORMONE SECRETION IN RHESUS MONKEYS DURING THE SLEEP-WAKING CYCLE. Jacoby JH, Sasson JF, Greenstein M, Weitzman ED. *Neuroendocrinology* 14: 165-73, 74 (Eng)

SMALL INTESTINE, HAMSTER

FURTHER EVIDENCE FOR THE MULTIPLICITY OF CARRIERS FOR FREE GLUCALOGUES IN HAMSTER SMALL INTESTINE. Honegger P, Gershon E. *Biochim Biophys Acta* 352: 127-34, 30 May 74 (Eng)

SODIUM

THE SODIUM-POTASSIUM ADENOSINETRIPHOSPHATASE. Dahl JL, Hokin LE. *Annu Rev Biochem* 43: 327-56, 1974 (Eng) [289]

SODIUM BICARBONATE THERAPY

[TOWARDS A BETTER KNOWLEDGE OF THE ACTION MECHANISM OF THERMAL SODIUM BICARBONATE THERAPY AT VALS-LES-BAINS IN DIABETES] Alland A, Vague P. *Sem Hop Ther* 50: 291-5, Apr 74 (Fre)

SODIUM CHLORIDE

CHANGES IN THE RATS PREFERENCE FOR SACCHARIN AND SODIUM CHLORIDE SOLUTIONS FOLLOWING INJECTION OF ALLOXAN MONOHYDRATE. Brookshire KH. *J Comp Physiol Psychol* 87: 1061-8, Dec 74 (Eng)

SODIUM DODECYL SULFATE

A ROLE OF THE CARBOHYDRATE MOIETY OF GLUCOSE OXIDASE: KINETIC EVIDENCE FOR PROTECTION OF THE ENZYME FROM THERMAL INACTIVATION IN THE PRESENCE OF SODIUM DODECYL SULFATE. Nakamura S, Hayashi S. *FEBS Lett* 41: 327-30, 1 May 74 (Eng)

SODIUM ION

[SIGNIFICANCE OF THE SODIUM ION IN THE INTESTINAL ABSORPTION OF SUGARS]

SOMATOTROPIC FUNCTION

Poniz F. *Rev Med Univ Navarra* 17: 95-119, Jun 73 (Spa) [231]

SOLAR RADIATION

[VALUES OF MEAN ERYTHEMA-PRODUCING DOSES OF SOLAR RADIATION IN HEALTH-SUBJECTS AND DIABETICS] Ponikowska I, Marusik T, Tyczka S. *Pol Tyg Lek* 30: 19-21, 6 Jan 75 (Pol)

SOLID PHASE

[COMPARATIVE STUDY OF 2 METHODS OF PLASMA INSULIN RADIOIMMUNOASSAY. DOUBLE ANTIBODY AND SOLID PHASE METHODS] Orsetti A, Collard F. *Pathol Biol (Paris)* 22: 771-3, Nov 74 (Fre)

SOMATIC DISEASE

MULTIPHASIC SCREENING PROGRAMME FOR SOMATIC DISEASES AMONG ELDERLY LONG-TERM PSYCHIATRIC PATIENTS. Gjesdal K, Stromme JH. *Br J Psychiatry* 124: 564-72, Jun 74 (Eng)

SOMATOMEDIN

[SOMATOMEDIN ACTIVITY OF THE SERUM IN THE NORMAL CHILD AND IN HYPOPIUITARISM] Binet E, Schlumberger A, Chaussain JL. *Job JC Arch Fr Pediatr* 31: 339-46, Apr 74 (Fre)

[SOMATOMEDINS AND GROWTH] Job JC, Rapaport R. *Arch Fr Pediatr* 31: 333-7, Apr 74 (Fre) [29]

SOMATOSTATIN

THE INHIBITION BY SOMATOSTATIN OF THE THYROTROPIN RESPONSE TO THYROTROPIN-RELEASING HORMONE IN NORMAL SUBJECTS. Weekie K, Hansen AP, Lundbaek K. *Scand J Clin Lab Invest* 33: 101-3, Apr 74 (Eng)

IMMUNOHISTOCHEMICAL EVIDENCE FOR THE LOCALIZATION OF SOMATOSTATIN-LIKE IMMUNOREACTIVITY IN A CELL POPULATION OF THE PANCREATIC ISLETS. Luft R, Efendic S, Hokfelt T, Johansson O, Arimura A. *Med Biol* 52: 428-30, Dec 74 (Eng)

SOMATOSTATIN INHIBITS INSULIN AND GLUCAGON RELEASE BY MONOLAYER CELL CULTURES OF RAT ENDOCRINE PANCREAS. Fujimoto WY, Ensink JW, Williams RH. *Life Sci* 15: 1999-2004, 1 Dec 74 (Eng)

SOMATOTROPIC HORMONE

[PATHOLOGY OF SOMATOTROPIC HORMONE] Anonymous. *Annee Endocrinol* 25: 93-102, 1973 (Fre)

SOMATOTROPIC FUNCTION

[SOMATOTROPIC FUNCTION OF THE HYPOPHYSIS. TOLERANCE TESTS AS A METHOD OF EVALUATION OF THE SOMATOTROPIC FUNCTION OF THE HYPOPHYSIS] Sokolov IaA, Vasilenko VV, Fedotov VP. *Probl Endocrinol (Mosk)* 20: 16-22, Sep-Oct 74 (Rus)

[RESULTS OF THE STUDY OF SOMATOTROPIC FUNCTION OF THE HYPOPHYSIS WITH THE AID OF INSULIN TOLERANCE TEST IN PATIENTS WITH HYPOGONADISM] Nekrasova LV, Sokolov IaA, Marova EI. *Probl Endocrinol (Mosk)* 20: 31-6, Sep-Oct 74 (Rus)

SOMATOTROPIC HORMONE

SOMATOTROPIC HORMONE

[LEUCINE-C14 INCORPORATION INTO RAT SOMATOTROPIC HORMONE DEPENDING ON THE LEVEL OF THYROID HORMONES IN THE BODY] Martynenko FP, Rozhko OT, Novikova NP *Probl Endokrinol (Mosk)* 20: 107-10, Jan-Feb 74 (Rus)

SOMATOTROPIN

[PHYSIOLOGY OF SOMATOTROPIN] Anonymous *Annee Endocrinol* 25: 76-92, 1973 (Fre)

[TESTS OF SOMATOTROPIN RESERVE IN OBESITY: RESPONSE OF GH TO STIMULATION WITH L-DOPA AND L-ARGININE] D'Allessandro B, Bellastella A, Esposito V, Gasbarro R *Folia Endocrinol (Roma)* 27: 381-9, Aug 74 (Ita)

[SOMATOTROPIN AND NONESTERIFIED FATTY ACID CONTENT DURING THE STANDARD GLUCOSE TOLERANCE TEST IN CHILDREN AND ADOLESCENTS FROM FAMILIES WITH THE HISTORY OF DIABETES MELLITUS] Stulii LA, Balabolkin MI, Rozhnov AA, Kasatkin IN, Smirnova LK *Probl Endokrinol (Mosk)* 20: 3-7, Sep-Oct 74 (Rus)

SPACEFLIGHT FUNGAL PHENOTYPE

THE ANTIFUNGAL ACTIVITY OF NORMAL AND HOST-COMPROMISED SALIVA ON SPACEFLIGHT FUNGAL PHENOTYPES. Dublin M, Volz PA, Bulmer GS *Mycopathol Mycol Appl* 54: 499-516, 18 Dec 74 (Eng)

SPECIES DIFFERENCE

COMPARATIVE STUDY OF ERYTHROCYTE GLYCOLYTIC ENZYMES IN MAN AND IN TWO SPECIES OF LAGOMORPHAE. (OCHOTONA RUFESCENS RUFESCENS AND ORYCTOLAGUS CUNICULUS). Puget A, Vergnes H, Gouarderes C *Can J Comp Med* 38: 314-20, Jul 74 (Eng)

SPECTROPHOTOMETRY

YEAST HEXOKINASE: INTERACTION WITH SUBSTRATES AND ANALOGS STUDIED BY DIFFERENCE SPECTROPHOTOMETRY. Roustan C, Brevet A, Pradel LA, Thoai N van *Eur J Biochem* 44: 353-8, 15 May 74 (Eng)

SPHEROPLAST

BIOTIN UPTAKE BY COLD-SHOCKED CELLS, SPHEROPLASTS, AND RERESSED CELLS OF SACCHAROMYCES CEREVISIAE: LACK OF FEEDBACK CONTROL. Ciemanc JF, Liehstein HC *J Bacteriol* 119: 718-25, Sep 74 (Eng)

SPIN LABEL STUDY

INTERMOLECULAR STERIC INTERACTIONS AND LIPID CHAIN FLUIDITY IN PHOSPHOLIPID MULTILAYERS. A SPIN LABEL STUDY. Marsh D *Can J Biochem* 52: 631-6, Jul 74 (Eng)

SPLANCHNIC NERVE

EFFECT OF SPLANCHNIC NERVE STIMULATION ON GLUCAGON AND INSULIN OUTPUT IN THE DOG. Kaneto A, Kajinuma H, Kosaka K *Endocrinology* 96: 143-50, Jan 75 (Eng)

STANDARD

[SOMATOTROPIN AND NONESTERIFIED FATTY ACID CONTENT DURING THE STANDARD GLUCOSE TOLERANCE TEST IN CHILDREN AND ADOLESCENTS FROM FAMILIES WITH THE HISTORY OF DIABETES MELLITUS] Stulii LA, Balabolkin MI, Rozhnov AA, Kasatkin IN, Smirnova LK *Probl Endokrinol (Mosk)* 20: 3-7, Sep-Oct 74 (Rus)

STAPHYLOCOCCUS AUREUS

MECHANISMS OF ACTIVE TRANSPORT IN ISOLATED BACTERIAL MEMBRANE VESICLES. FURTHER STUDIES ON AMINO ACID TRANSPORT IN STAPHYLOCOCCUS AUREUS MEMBRANE VESICLES. Short SA, Kaback HR *J Biol Chem* 249: 4275-81, 10 Jul 74 (Eng)

MECHANISMS OF ENERGY COUPLING TO THE TRANSPORT OF AMINO ACIDS BY STAPHYLOCOCCUS AUREUS. Niven DF, Hamilton WA *Eur J Biochem* 44: 517-22, 15 May 74 (Eng)

STARVATION

RENAL CONSERVATION OF KETONE BODIES DURING STARVATION. Sapir DG, Owen OE *Metabolism* 24: 23-33, Jan 75 (Eng)

STARVATION EFFECT

THE EFFECT OF STARVATION ON INSULIN SECRETION AND GLUCOSE METABOLISM IN MOUSE PANCREATIC ISLETS. Hedeskov CJ, Capito K *Biochem J* 140: 423-33, Jun 74 (Eng)

STEATOSIS

[CONCERNING THE RELATIONSHIP BETWEEN SERUM LIPIDS AND LIVER STEATOSIS IN DIABETIC RETINOPATHY AND NEPHROPATHY (AUTHORS TRANSL.)] Kolesar P, Brixova E, Tomik F *Bratisl Lek Listy* 62: 662-9, Dec 74 (Slo)

STERIC FIELD EFFECT

CARBON-13 FOURIER TRANSFORM NUCLEAR MAGNETIC RESONANCE. 8. ROLE OF STERIC AND ELECTRIC FIELD EFFECTS IN FATTY ACID SPECTRA. Batchelor JG, Cushley RJ, Prestegard JH *J Org Chem* 39: 1698-1705, 14 Jun 74 (Eng)

STEROID BIOSYNTHESIS

THE ROLE OF CYCLIC AMP IN THE REGULATION OF STEROID BIOSYNTHESIS IN TESTIS TISSUE. Rommerts FF, Cooke BA, Molen HJ van der *J Steroid Biochem* 5: 279-85, May 74 (Eng) [94]

STEROID INDUCED DIABETES

[LETTER: STEROID-INDUCED DIABETES] Charpin J, Aubert J, Pelleroy F, Vague P *Nouv Presse Med* 3: 1960, 21 Sep 74 (Fre)

STEROID THERAPY

[PREVENTION OF THE RESPIRATORY DISTRESS SYNDROME IN THE NEWBORN BY STEROID THERAPY OF THE MOTHER BEFORE DELIVERY] Jmre H, Istvan F, Szabolcs S, Karoly M *Orv Hetil* 116: 195-6, 26 Jan 75 (Hun)

STEROL INTERACTION

POLYENE ANTIBIOTIC-STEROL INTERACTIONS IN MEMBRANES OF ACHOLEPLASMA LAIDLAWII CELLS AND LECITHIN LIPOSOMES. 1. SPECIFICITY OF THE MEMBRANE PERMEABILITY CHANGES INDUCED BY THE POLYENE ANTIBIOTICS. Kruijff B de, Gerritsen WJ, Oorlemans A, Demel RA, Deenen LL van *Biochim Biophys Acta* 339: 30-43, 26 Feb 74 (Eng)

POLYENE ANTIBIOTIC-STEROL INTERACTIONS IN MEMBRANES OF ACHOLEPLASMA LAIDLAWII CELLS AND LECITHIN LIPOSOMES. 3. MOLECULAR STRUCTURE OF THE POLYENE ANTIBIOTIC-CHOLESTEROL COMPLEXES. Kruijff B de, Demel RA *Biochim Biophys Acta* 339: 57-70, 26 Feb 74 (Eng)

STIMULUS SECRETION COUPLING

THE STIMULUS-SECRETION COUPLING OF GLUCOSE-INDUCED INSULIN RELEASE. XVII. EFFECTS OF SULFONYLUREAS AND DIAZOXIDE ON INSULAR BIOSYNTHETIC ACTIVITY. Levy J, Malaisse WJ *Biochem Pharmacol* 24: 235-9, 15 Jan 75 (Eng)

STORAGE VESICLE, ADRENAL

ADRENAL MEDULLARY STORAGE VESICLES OF THE SPONTANEOUSLY HYPERTENSIVE RAT. Slotkin TA, Green HO *Biochem Pharmacol* 24: 173-80, 15 Jan 75 (Eng)

STREPTOZOTOCIN

[LACTATE DEHYDROGENASE ISOENZYMES IN THE WALL OF THE RATS AORTA IN EXPERIMENTAL STREPTOZOTOCIN-DIABETES] Wohlrab F, Gotze J *Dtsch Z Verdau Stoffwechselkr* 34: 53-8, 1974 (Ger)

STREPTOZOTOCIN-DIABETES IN THE CHINESE HAMSTER. LONG-TERM EFFECTS ON THE LIGHT MICROSCOPIC STRUCTURE OF THE PANCREATIC ISLET TISSUE, LIVER AND KIDNEY. Wilander E *Acta Pathol Microbiol Scand [A]* 82: 767-76, Nov 74 (Eng)

STREPTOZOTOCIN EFFECT

EFFECTS OF STREPTOZOTOCIN ON GLUCOSE METABOLISM, INSULIN RESPONSE, AND ADIPOSITY IN OB/OB MICE. Batchelor BR, Stern JS, Johnson PR, Mahler RJ *Metabolism* 24: 77-91, Jan 75 (Eng)

CYTOTOXIC EFFECTS OF STREPTOZOTOCIN AND N-NITROSOMETHYLUREA ON THE PANCREATIC B CELLS WITH SPECIAL REGARD TO THE ROLE OF NICOTINAMIDE-ADENINE DINUCLEOTIDE. Gunnarsson R, Berne C, Hellerstrom C *Biochem J* 140: 487-94, Jun 74 (Eng)

STRESS

THE ADENOHYPOTHALAMIC RESPONSE TO STRESS AND ITS HYPOTHALAMIC CONTROL. McCann SM, Krulich L, Illner P, Quijada M, Ajika K, Fawcett CP *Adv Exp Med Biol* 33: 157-64, 1972 (Eng)

STROKE

PREVENTION OF STROKE. Browder A, Browder J *Can Med Assoc J* 112: 91-7, 8 Feb 75 (Eng)

CEREBRAL METABOLIC EFFECTS OF GLYCEROL INFUSION IN DIABETICS WITH STROKE. Meyer JS, Shimazu K, Ouchi T, Okamoto S, Koto A, Fukuchi Y, Ericsson AD J *Neurol Sci* 21: 1-22, Jan 74 (Eng)

Diabetes Literature—Keyword Index

STYRENE

[INFLUENCE OF STYRENE ON CARBOHYDRATE BALANCE (AUTHORS TRANSL)] Chmielewski J, Mikulski P *Rocz Pomor Akad Med suppl* 10: 321-4, 1974 (Pol)

SUBCELLULAR FRACTION

[PROCEEDINGS: INCORPORATION OF 1-14-OLEIC ACID IN SUBCELLULAR FRACTIONS OR NORMAL AND ATHEROSCLEROTIC HUMAN FEMORAL ARTERIES IN VITRO] Horsch AK, Day AJ *Munch Med Wochenschr* 116: 1111-2, 31 May 74 (Ger)

EFFECTS OF ACETYLCHOLINE ON INCORPORATION OF (14C)GLUCOSE INTO PHOSPHATIDYLINOSITOL AND ON PHOSPHATIDYLINOSITOL BREAKDOWN IN SUBCELLULAR FRACTIONS FROM CEREBRAL CORTEX. Lapetina EG, Michell RH *J Neurochem* 23: 283-7, Jul 74 (Eng)

SUBMAXIMAL TEST, DOG

A SUBMAXIMAL TEST FOR DOGS: EVALUATION OF EFFECTS OF TRAINING, DETRAINING, AND CAGE CONFINEMENT. Tipton CM, Carey RA, Eastin WC, Erickson HH *J Appl Physiol* 37: 271-5, Aug 74 (Eng)

SUBSTRATE

NUCLEAR MAGNETIC RESONANCE STUDIES ON SUBSTRATE BINDING TO PHOSPHOGLUCOMUTASE. Gadian DG, Radda GK, Richards RE *Biochim Biophys Acta* 358: 57-68, 17 Jul 74 (Eng)

THE IDENTIFICATION OF INTERMEDIATES IN THE REACTION OF PIG HEART LACTATE DEHYDROGENASE WITH ITS SUBSTRATES. Whitaker JR, Yates DW, Bennett NG, Holbrook JJ, Gutfreund H *Biochem J* 139: 677-97, Jun 74 (Eng)

YEAST HEXOKINASE: INTERACTION WITH SUBSTRATES AND ANALOGS STUDIED BY DIFFERENCE SPECTROPHOTOMETRY. Roustan C, Brevet A, Pradel LA, Thoai N van Eur *J Biochem* 44: 353-8, 15 May 74 (Eng)

SUBSTRATE METABOLISM

INFLUENCE OF FORCED VENTILATION ON SUBSTRATE METABOLISM IN THE PERFUSED RAT LUNG. Gassenheimer LN, Rhoades RA *J Appl Physiol* 37: 224-7, Aug 74 (Eng)

SUBSTRATE SUPPLY

[TUMOUR CELL BALANCE AND SUPPLY OF SUBSTRATES (AUTHORS TRANSL)] von Ardenne M, Rieger F *Arch Geschwulstforsch* 44: 25-46, 1974 (Ger)

SUCROSE

AVERSION TO SUCROSE IN OBESITY. Underwood PJ, Belton E, Hulme P *Proc Nutr Soc* 32: 93a-94a, Dec 73 (Eng)

INHIBITION OF SUCRASE BY TRIS IN RAT AND MAN, DEMONSTRATED BY ORAL LOADING TESTS WITH SUCROSE. Puls W, Keup U *Metabolism* 24: 93-8, Jan 75 (Eng)

SUCROSE EFFECT

EFFECTS OF FRUCTOSE, SUCROSE AND GLUCOSE FEEDING ON PLASMA INSULIN CONCENTRATIONS AND ON ADIPOSE-TISSUE CLEARING-FACTOR LIPASE ACTIVITY IN THE RAT. Cryer A, Riley SE, Williams ER, Robinson DS *Biochem J* 140: 561-63, Jun 74 (Eng)

SUGAR

[SIGNIFICANCE OF THE SODIUM ION IN THE INTESTINAL ABSORPTION OF SUGARS] Ponz F *Rev Med Univ Navarra* 17: 95-119, Jun 73 (Spa) [231]

[STUDY OF SUGARS AND CARBOHYDRATE METABOLISM ENZYMES IN RHIZOBIUM LUPINI IN SYMBIOSIS] Petrova AN, Chermenskaia IE, Kretovich VL *Dokl Akad Nauk SSSR* 217: 479-80, 11 Jul 74 (Rus)

SUGAR, SEMIMICRO ESTIMATION

APPLICATION OF MERCURIMETRIC TITRATION IN SEMIMICRO ESTIMATION OF SOME SUGARS. 2. Belal S, Soliman R *Pharmazie* 29: 205, Mar 74 (Eng)

SUGAR TRANSPORT

ACCELERATION OF SUGAR TRANSPORT IN AVIAN ERYTHROCYTES BY CATECHOLAMINES. Whitfield CF, Rannels SR, Morgan HE *J Biol Chem* 249: 4181-8, 10 Jul 74 (Eng)

SULFATE MOVEMENT

EFFECT OF TEMPERATURE ON SULFATE MOVEMENTS ACROSS CHEMICALLY OR ENZYMATICALLY MODIFIED MEMBRANES OF HUMAN RED BLOOD CELLS. Schwach G, Rudloff V, Wood-Guth I, Passow H *Biochim Biophys Acta* 339: 126-38, 26 Feb 74 (Eng)

SULFONAMIDE

[NEW COMPOUNDS AND REACTIONS OF SULFONAMIDES WITH AMINES. XIV. HYPOGLYCEMIC PROPERTIES OF SOME DERIVATIVES OF N-(BENZENESULFONYL)-DELTA-2-PYRAZOLINE-1-CARBOXAMIDE] Brzozowski Z, Angielski S, Wojcikowski C *Acta Pol Pharm* 31: 601-6, 1974 (Pol)

SULFONAMIDE, HYPOGLYCEMIC

ZINC AND INSULIN CONTENT IN PANCREATIC ISLETS OF RATS AFTER ADMINISTRATION OF HYPOGLYCEMIC SULFONAMIDES. Lazaris YA, Kuts LG, Bavel'skii ZE *Bull Exp Biol Med* 77: 647-9, Dec 74 (Eng)

[HYPOGLYCEMIC SULFONAMIDES, KIDNEY FAILURE AND HYPOGLYCEMIC COMA] Akoun G, Beucier A, Pignard P *Cah Med* 15: 333-6, 15 Jun 74 (Fre)

SULFONYLUREA

SULFONYLUREA-INDUCED FACTITIOUS HYPOGLYCEMIA IN A NONDIABETIC NURSE. Walfish PG, Kushiya RP, Greenstein S *Can Med Assoc J* 112: 71-2, 11 Jan 75 (Eng)

SULFONYLUREA EFFECT

THE STIMULUS-SECRETION COUPLING OF GLUCOSE-INDUCED INSULIN RELEASE. XVII. EFFECTS OF SULFONYLUREAS AND DIAZOXIDE ON INSULAR BIOSYNTHETIC ACTIVITY. Levy J, Malaisse WJ *Biochem Pharmacol* 24: 235-9, 15 Jan 75 (Eng)

SULFONYLUREA

SIGNIFICANCE OF ACID AMYLOGLYCOSIDASE IN SULFONYLUREA-INDUCED INSULIN RELEASE. Lundquist I *Diabetologia* 10: 717-24, Dec 74 (Eng)

SYMPATHETIC STIMULATION

SURFACE AGENT

THE IN VIVO LOCALIZATION OF HIGH-AFFINITY PHLORIZIN RECEPTORS TO THE BRUSH BORDER SURFACE OF THE PROXIMAL TUBULE IN DOG KIDNEY. Silverman M *Biochim Biophys Acta* 339: 92-102, 26 Feb 74 (Eng)

THE INTESTINAL UNSTIRRED LAYER: ITS SURFACE AREA AND EFFECT ON ACTIVE TRANSPORT KINETICS. Wilson FA, Dietschy JM *Biochim Biophys Acta* 363: 112-26, 21 Aug 74 (Eng)

SURGERY

[CHANGES IN CARBOHYDRATE TOLERANCE DURING SURGERY - WITH SPECIAL REFERENCE TO COMPARISON BETWEEN GLUCOSE AND MALTOSE] Aono K, Harano K, Hirokata Y, Nakamura Y *Jpn J Anesthesiol* 23: 797-805, Sep 74 (Jpn)

SURGICAL TREATMENT

THE SURGICAL TREATMENT OF PULMONARY COCCIDIOIDOMYCOSIS. Nelson AR *Curr Probl Surg* 00: 1-48, Oct 74 (Eng) [135]

EFFECTS OF SURGICAL TREATMENT ON HYPOTHALAMO-PITUITARY-ADRENOCORTICAL FUNCTIONS IN PITUITARY CHROMOPHOBE ADENOMA AND CRANIOPHARYNGIOMA. Nishida S, Ando S, Kitamura K, Tomonaga M *Endocrinol Exp (Bratisl)* 8: 269-79, Dec 74 (Eng)

SUXAMETHONIUM

INFLUENCE OF ETHER ANAESTHESIA ON SUXAMETHONIUM-INDUCED HYPERKALAEMIA. Maghagbeola JA, Adadevoh BK, Durowoju JE *Anaesthesia* 29: 429-34, Jul 74 (Eng)

SWEAT GLAND

GLUCOSE UTILIZATION BY SWEAT GLANDS DURING FASTING IN MAN. Benson JW Jr, Buja ML, Thompson RH, Gordon RS Jr *J Invest Dermatol* 63: 287-91, Sep 74 (Eng)

SYLLABA, J.

[CONTRIBUTION OF THE WORK OF PROF. J. SYLLABA: TREATMENT OF DIABETIC COMA BASED ON OWN EXPERIENCES. PROJECT FOR THE UNIFICATION OF TREATMENT. VNITRNI LEK. 20,1974,7: P.686-93] Pav J, Rosival V *Vnitř Lek* 20: 1215-8, Dec 74 (Cze)

SYMPATHETIC CHAIN, PARAVERTEBRAL

MYELINATED FIBRES IN HUMAN PARAVERTEBRAL SYMPATHETIC CHAIN: WHITE RAMI COMMUNICANTES IN ALCOHOLIC AND DIABETIC PATIENTS. Appenzeller O, Ogin G *J Neurol Neurosurg Psychiatry* 37: 1155-61, Oct 74 (Eng)

SYMPATHETIC STIMULATION

THE EFFECT OF PRACTOLOL ON CIRCULATORY RESPONSE AFTER SYMPATHETIC STIMULATION AND ON PLASMA GROWTH HORMONE AND INSULIN LEVELS. Svalahti E, Iisalo E, Leppanen O *Ann Clin Res* 6: 258-65, Oct 74 (Eng)

SYMPATHICO-ADRENAL SYSTEM

SYMPATHICO-ADRENAL SYSTEM

[CAUSES AND EFFECTS OF HYPERACTIVITY OF THE SYMPATHICO-ADRENAL SYSTEM IN ACUTE MYOCARDIAL INFARCT] Oganov RG, Vinogradova IV, Aleksandrov AA *Kardiolgiia* 14: 140-50, Oct 74 (Rus) [146]

SYMPATHO-ADRENAL ACTIVITY

LETTER: DOPAMINE-BETA-HYDROXYLASE AND SYMPATHO-ADRENAL ACTIVITY. Goodwin PM, Harrop J, Marks V *Lancet* 1: 170-1, 18 Jan 75 (Eng)

SYNDROME, DIABETIC

[ACUTE DIABETIC SYNDROME INDUCED IN RATS BY ANTI-INSULIN SERUM AS AN EXPERIMENTAL MODEL FOR THE STUDY OF SOME ANTIDIABETIC EFFECTS] Andreev D, Strashimirov S, Ditsov GD *Eksp Med Morfol* 13: 95-101, 1974 (Bul)

[RUMEN ACIDOSIS AND THE DIABETIC SYNDROME IN CATTLE] Ivanov IT *Vet Med Nauki* 11: 59-63, 1974 (Bul)

SYNTHALIN EFFECT

EFFECTS OF SYNTHALIN ON MITOCHONDRIAL FUNCTIONS. Maima G, Mwechia N *Biochem Pharmacol* 24: 529-33, 15 Feb 75 (Eng)

SYNTHETIC PROTEIN FIBRIL

BETA-PLEATED SHEET FIBRILS. A COMPARISON OF NATIVE AMYLOID WITH SYNTHETIC PROTEIN FIBRILS. Glenner GG, Eanes ED, Bladen HA, Linke RP, Termine JD *J Histochem Cytochem* 22: 1141-58, Dec 74 (Eng)

TARGET CELL, ENDOCRINE

THEORY OF HORMONE-RECEPTOR INTERACTION. 3. THE ENDOCRINE TARGET CELL AS A QUANTAL RESPONSE UNIT: A GENERAL CONTROL MECHANISM. Rodbard D *Adv Exp Med Biol* 36: 342-64, 1973 (Eng)

TASTE CELL STRUCTURE

[PROCEEDINGS: 369. PROPERTIES OF THE SUGAR-BINDING PROTEIN AND THE STRUCTURE OF THE TASTE CELL. (AUTHORS TRANSL.)] Hiji Y *J Physiol Soc Jap* 35: 537-8, Aug-Sep 73 (Jap)

TEACHING DIABETICS

EDITORIAL: TEACHING DIABETICS TO LIVE WITH THEIR DIABETES. Anonymous *Del Med* 147: 24, Jan 75 (Eng)

TECUMSEH STUDY

THE TECUMSEH STUDY OF RESPIRATORY ILLNESS. VIII. ACUTE INFECTION IN CHRONIC RESPIRATORY DISEASE AND COMPARISON GROUPS. Monto AS, Higgins MW, Ross HW *Am Rev Respir Dis* 111: 27-36, Jan 75 (Eng)

TEMPERATURE

THE EFFECT OF MONOAMINE OXIDASE INHIBITORS ON THE RECTAL TEMPERATURE OF THE RAT. Summers RJ *J Pharm Pharmacol* 26: 335-43, May 74 (Eng)

THE EFFECTS OF FOUR DIFFERENT RADIANT WARMER TEMPERATURE SET-POINTS USED FOR REWARMING NEONATES. Motil KJ, Blackburn MG, Pleasure JR *J Pediatr* 85: 546-50, Oct 74 (Eng)

TEMPERATURE DEPENDENCE

POLYENE ANTIBIOTIC-STEROL INTERACTIONS IN MEMBRANES OF ACHOLEPLASMA LAIDLAWII CELLS AND LECITHIN LIPOSOMES. II. TEMPERATURE DEPENDENCE OF THE POLYENE ANTIBIOTIC-STEROL COMPLEX FORMATION. Kruijff B de, Gerritsen WJ, Oerlemans A, Dijk PW van, Demel RA, Deenen LL van *Biochim Biophys Acta* 339: 44-56, 26 Feb 74 (Eng)

TEMPERATURE EFFECT

EFFECT OF TEMPERATURE ON SULFATE MOVEMENTS ACROSS CHEMICALLY OR ENZYMATICALLY MODIFIED MEMBRANES OF HUMAN RED BLOOD CELLS. Schwach G, Rudloff V, Wood-Guth I, Passow H *Biochim Biophys Acta* 339: 126-38, 26 Feb 74 (Eng)

TERATOGENIC EFFECT

TERATOGENIC EFFECTS OF ENVIRONMENTAL AGENTS ON EMBRYONIC DEVELOPMENT. Nanda R *Dent Clin North Am* 19: 181-9, Jan 75 (Eng)

TESTIS

THE ROLE OF CYCLIC AMP IN THE REGULATION OF STEROID BIOSYNTHESIS IN TESTIS TISSUE. Rommerts FF, Cooke BA, Molen HJ van der *J Steroid Biochem* 5: 279-85, May 74 (Eng) [94]

[EFFECT OF HYDROCORTISONE, THYROXINE AND ALLOXAN DIABETES ON THE INCORPORATION OF THE LABELLED ACETATE-1-C14 INTO THE LIPIDS OF THE ADRENAL GLANDS AND TESTIS IN RATS] Kheidebanis KK, Petushkova TN *Probl Endokrinol (Mosk)* 20: 100-4, Sep-Oct 74 (Rus)

TESTOSTERONE

DIFFERENT MECHANISMS IN TESTOSTERONE ACTION ON GLYCOGEN METABOLISM IN RAT PERINEAL AND SKELETAL MUSCLES. Bergamini E *Endocrinology* 96: 77-84, Jan 75 (Eng)

PROCEEDINGS: INSULIN AND TESTOSTERONE RESPONSES IN CULTURED PROSTATE. Fuller DJ, Coleshill SM, Chan KM, Thomas GH *J Endocrinol* 63: 59p, Nov 74 (Eng)

TESTOSTERONE, PLASMA

[LETTER: FALL IN PLASMA TESTOSTERONE LEVELS DURING ORAL GLUCOSE TOLERANCE TEST] Cathelineau G, Roger M, Soldat MC *Nouv Presse Med* 3: 2109, 5 Oct 74 (Fre)

TETRACYCLINE

BIOASSAY OF GROWTH HORMONE. II. DETERMINATION OF LONGITUDINAL BONE GROWTH WITH TETRACYCLINE IN THYROXINE-TREATED HYPOPHYSECTOMIZED RATS. Thorngren KG, Hansson LI *Acta Endocrinol (Kbh)* 75: 669-82, Apr 74 (Eng)

BIOASSAY OF GROWTH HORMONE. I. DETERMINATION OF LONGITUDINAL BONE GROWTH WITH TETRACYCLINE IN HYPOPHYSECTOMIZED RATS. Thorngren KG, Hansson LI *Acta Endocrinol (Kbh)* 75: 653-68, Apr 74 (Eng)

TETRODOTOXIN

INFLUENCE OF INSULIN ON SENSITIVITY TO TETRODOTOXIN OF ISOLATED CHICK

EMBRYO HEART CELLS IN CULTURE. Le Douarin G, Renaud JF, Renaud D, Coraboeuf E *J Mol Cell Cardiol* 6: 523-9, Dec 74 (Eng)

THEOPHYLLINE

[CHANGES INDUCED BY THEOPHYLLINE IN VITRO ON THE GLYCOGEN CONTENT, CARBOHYDRATE METABOLISM AND FINALLY ON THE PHAGOCYTIC AND BACTERICIDAL ACTIVITY OF POLYNUCLEAR LEUKOCYTES] Henon M, Launay A, Delaunay A *C R Acad Sci (D) (Paris)* 278: 521-4, 21 Jan 74 (Fre)

THERAPEUTIC AGENT

RATIONAL THERAPEUTIC APPROACH TO CARDIOGENIC SHOCK. Wiener L *Cardiovasc Clin* 6: 223-37, 1974 (Eng) [79]

[ANTIBODIES AGAINST THERAPEUTIC ANIMAL INSULINS AND HOMOLOGOUS PROTEINS IN THE COURSE OF DIABETES IN CHILDREN AND ADOLESCENTS] Karczewska K *Med Dosw Mikrobiol* 26: 317-24, 1974 (Pol)

[GLYCID METABOLISM DISORDER IN RENAL FAILURE. THERAPEUTIC SEQUELAE] Dzurik R, Cernacek P *Vnitr Lek* 21: 22-7, Jan 75 (Slo)

THERAPEUTIC REGIMEN

[DIABETICS FROM A MEDICAL INSTITUTION AND A REGIONAL COLLECTIVE FROM THE VIEW POINT OF PATIENT PARTICIPATION IN THE THERAPEUTIC REGIMEN] Duh O, Brozek I, Nykodym P, Krzeza A *Cas Lek Cesk* 113: 1389-93, 7 Nov 74 (Cec)

THERMAL CALCULATION

A ROLE OF THE CARBOHYDRATE MOIETY OF GLUCOSE OXIDASE: KINETIC EVIDENCE FOR PROTECTION OF THE ENZYME FROM THERMAL INACTIVATION IN THE PRESENCE OF SODIUM DODECYL SULFATE. Nakamura S, Hayashi S *FEBS Lett* 41: 327-30, 1 May 74 (Eng)

THERMAL MECHANISM

[TOWARDS A BETTER KNOWLEDGE OF THE ACTION MECHANISM OF THERMAL SODIUM BICARBONATE THERAPY AT VALS-LES-BAINS IN DIABETES] Alland A, Vague P *Sem Hop Ther* 50: 291-5, Apr 74 (Fre)

THERMAL STIMULUS

[THE BODY'S RESPONSE TO THE LOCAL APPLICATION OF A THERMAL STIMULUS UNDER CONDITIONS OF INADEQUATE INSULIN FORMATION] Shanko VM *Fiziol Zh* 21: 98-103, Jan-Feb 75 (Ukr)

THERMODYNAMICS

THERMODYNAMICS OF BIOLOGICAL PROCESSES. Morris JG *Br J Anaesth* 46: 210-6, Mar 74 (Eng)

THETA CELL DETECTION

HORMONES AND LYMPHOID TISSUES. CONTACT SENSITIVITY AND DETECTION OF THETA-CELLS IN PITUITARY DWARF MICE. Baroni CD, Doria G *Adv Exp Med Biol* 29: 655-60, 1973 (Eng)

THICKENING

[THICKENING OF THE AORTIC WALL IN EXPERIMENTAL CHOLESTEROL ARTERIOS-

Diabetes Literature—Keyword Index

[CLEROSIS] Lusztig G, Mak L *Z Gesamte Inn Med* 29: 443-6, 1 Jun 74 (Ger)

THIN LIPID MEMBRANE

THE EFFECTS OF THE POLYENE ANTIBIOTICS NYSTATIN AND AMPHOTERICIN B ON THIN LIPID MEMBRANES. Holz RW *Ann NY Acad Sci* 235: 469-79, 10 May 74 (Eng)

THE ENERGY BARRIERS TO ION TRANSPORT BY NONACTIN ACROSS THIN LIPID MEMBRANES. Hladky SB *Biochim Biophys Acta* 352: 71-85, 30 May 74 (Eng)

THYMUS CELL

IS CORTISOL METABOLIZED AS IT DIS-SOCIATES FROM GLUCOCORTICOID RECEPTORS IN THYMUS CELLS. Munck A, Brinck-Johnsen T *J Steroid Biochem* 5: 203-5, May 74 (Eng)

THYROID

EXISTENCE OF TWO POOLS OF PROSTAGLANDINS DURING STIMULATION OF THE THYROID BY TSH. Haye B, Champion S, Jacquemin C *FEBS Lett* 41: 89-93, 15 Apr 74 (Eng)

THYROID DISEASE

LIPID CHANGES IN THYROID DISEASE: THE EFFECT OF THYROXINE AND ANALOGUES. Tulloch BR *Proc R Soc Med* 67: 670-1, Jun 74 (Eng) [24]

THYROID GLAND

[STIMULATION BY THYROTROPIN OF THYROID GLAND CALCIUM MOBILIZATION] Rodesch F, Boguier C, Dumont JE *C R Acad Sci [D] (Paris)* 278: 931-4, 11 Feb 74 (Fre)

THYROID HORMONE

[LEUCINE-C14 INCORPORATION INTO RAT SOMATOTROPIC HORMONE DEPENDING ON THE LEVEL OF THYROID HORMONES IN THE BODY] Martynenko FP, Rozhko OT, Novikova NP *Probl Endokrinol (Mosk)* 20: 107-10, Jan-Feb 74 (Rus)

[RED BLOOD CELLS AS EFFECTORS OF THYROID HORMONES] Weinstein M, Iparraguirre de Weinstein B *Medicina (B Aires)* 34: 146-56, Mar 74 (Spa) [106]

THE EFFECT OF EPINEPHRINE ON THYROID HORMONE SYNTHESIS IN THE RAT. Joasoo A, Murray IP *Acta Endocrinol (Kbh)* 77: 43-52, Sep 74 (Eng)

THYROID STIMULATING HORMONE

EXISTENCE OF TWO POOLS OF PROSTAGLANDINS DURING STIMULATION OF THE THYROID BY TSH. Haye B, Champion S, Jacquemin C *FEBS Lett* 41: 89-93, 15 Apr 74 (Eng)

THYROTOXICOSIS

EPISODIC WEAKNESS IN THYROTOXICOSIS. Isaacs B, Thomas E, Hall JA *Practitioner* 213: 69-72, Jul 74 (Eng)

THYROTROPIN

[STIMULATION BY THYROTROPIN OF THYROID GLAND CALCIUM MOBILIZATION] Rodesch F, Boguier C, Dumont JE *C R Acad Sci [D] (Paris)* 278: 931-4, 11 Feb 74 (Fre)

THYROTROPIN-RELEASING HORMONE

THE INHIBITION BY SOMATOSTATIN OF THE THYROTROPIN RESPONSE TO THYROTROPIN-RELEASING HORMONE IN NORMAL SUBJECTS. Weeke J, Hansen AP, Lundbaek K *Scand J Clin Lab Invest* 33: 101-3, Apr 74 (Eng)

THYROTROPIN RESPONSE

THE INHIBITION BY SOMATOSTATIN OF THE THYROTROPIN RESPONSE TO THYROTROPIN-RELEASING HORMONE IN NORMAL SUBJECTS. Weeke J, Hansen AP, Lundbaek K *Scand J Clin Lab Invest* 33: 101-3, Apr 74 (Eng)

THYROXINE

BIOASSAY OF GROWTH HORMONE. II. DETERMINATION OF LONGITUDINAL BONE GROWTH WITH TETRACYCLINE IN THYROXINE-TREATED HYPOPHYSECTOMIZED RATS. Thorngren KG, Hansson LI *Acta Endocrinol (Kbh)* 75: 669-82, Apr 74 (Eng)

THYROXINE EFFECT

LIPID CHANGES IN THYROID DISEASE: THE EFFECT OF THYROXINE AND ANALOGUES. Tulloch BR *Proc R Soc Med* 67: 670-1, Jun 74 (Eng) [24]

[EFFECT OF HYDROCORTISONE, THYROXINE AND ALLOXAN DIABETES ON THE INCORPORATION OF THE LABELLED ACETATE-1-C14 INTO THE LIPIDS OF THE ADRENAL GLANDS AND TESTIS IN RATS] Kheidemanis KK, Petushkova TN *Probl Endokrinol (Mosk)* 20: 100-4, Sep-Oct 74 (Rus)

TISSUE CULTURE

EFFECTS OF GLUCOSE ON THE ULTRASTRUCTURE AND INSULIN BIOSYNTHESIS OF ISOLATED MOUSE PANCREATIC ISLETS MAINTAINED IN TISSUE CULTURE. Andersson A, Westman J, Hellerstrom C *Diabetologia* 10: 743-53, Dec 74 (Eng)

LONG-TERM EFFECTS OF GLUCOSE ON INSULIN RELEASE AND GLUCOSE OXIDATION BY MOUSE PANCREATIC ISLETS MAINTAINED IN TISSUE CULTURE. Andersson A *Biochem J* 140: 377-82, Jun 74 (Eng)

TOLBUTAMIDE

THE IMMEDIATE INSULIN SECRETORY RESPONSE OF THE ISOLATED PERFUSED RAT PANCREAS TO TOLBUTAMIDE AND GLUCOSE. Lenzen S *FEBS Lett* 49: 407-8, 1 Jan 75 (Eng)

TOLERANCE TEST

[SOMATOTROPIC FUNCTION OF THE HYPOPHYSIS. TOLERANCE TESTS AS A METHOD OF EVALUATION OF THE SOMATOTROPIC FUNCTION OF THE HYPOPHYSIS] Sokolov IaA, Vasilenko VV, Fedotov VP *Probl Endokrinol (Mosk)* 20: 16-22, Sep-Oct 74 (Rus)

TRAINING EFFECT

A SUBMAXIMAL TEST FOR DOGS: EVALUATION OF EFFECTS OF TRAINING, DETRAINING, AND CAGE CONFINEMENT. Tipton CM, Carey RA, Eastin WC, Erickson HH *J Appl Physiol* 37: 271-5, Aug 74 (Eng)

TRANSPORT, MITOCHONDRIA

TRANSFORMED CELL

CELL SURFACE GLYCOLIPID AND GLYCOPROTEIN GLYCOSYLTRANSFERASES OF NORMAL AND TRANSFORMED CELLS. Patt LM, Grimes WJ *J Biol Chem* 249: 4157-65, 10 Jul 74 (Eng)

TRANSLOCATION

CALCIUM TRANSLOCATION BY CELLS. Simkiss K *Endavour* 33: 119-23, Sep 74 (Eng)

TRANSPLANTATION

[ROLE OF GLUCONEOGENESIS IN THE MAINTENANCE OF NORMOGLYCEMIA IN THE BODY OF ANIMALS WITH TRANSPLANTED TUMORS] Blinov VA, Shapov VS *Vopr Onkol* 20: 60-5, 1974 (Rus)

TRANSPLANTATION, RENAL

[URAEMIC POLYNEUROPATHY AFTER RENAL TRANSPLANTATION (AUTHORS TRANSL)] Mamoli B, Kopsa H, Gerstenbrand F, Kotzauerek R, Pateisky K *J Neurol* 208: 63-9, 1974 (Ger)

TRANSPORT

[ISOLATION OF MEMBRANE PREPARATIONS FROM ACHOLEPLASMA LAIDLAWII CELLS AND THEIR TRANSPORT CHARACTERISTICS] Fedotov NS, Panchenko LF, Tarshis MA *Mikrobiologiya* 43: 543-5, 1974 (Rus)

LETTER: TRANSPORT OF ORGANIC ACIDS ACROSS CELL MEMBRANE. Sable HZ *N Engl J Med* 291: 582, 12 Sep 74 (Eng)

TRANSPORT, ACTIVE

MECHANISMS OF ACTIVE TRANSPORT IN ISOLATED BACTERIAL MEMBRANE VESICLES. FURTHER STUDIES ON AMINO ACID TRANSPORT IN STAPHYLOCOCCUS AUREUS MEMBRANE VESICLES. Short SA, Kaback HR *J Biol Chem* 249: 4275-81, 10 Jul 74 (Eng)

THE INTESTINAL UNSTIRRED LAYER: ITS SURFACE AREA AND EFFECT ON ACTIVE TRANSPORT KINETICS. Wilson FA, Dietschy JM *Biochim Biophys Acta* 363: 112-26, 21 Aug 74 (Eng)

TRANSPORT MECHANISM

COMPETITION BETWEEN PHLORIZIN AND GOLD THIOLIGLUCOSE FOR GLUCORECEPTOR CELL TRANSPORT MECHANISMS IN THE HYPOTHALAMUS. Anonymous *Nutr Rev* 33: 23-5, Jan 75 (Eng) [5]

TRANSPORT, MEMBRANE

MEMBRANE TRANSPORT AS A POTENTIAL TARGET FOR ANTIBIOTIC ACTION. Walsh CT, Kaback HR *Ann NY Acad Sci* 235: 519-41, 10 May 74 (Eng) [55]

PROBING MEMBRANE TRANSPORT MECHANISMS WITH INOPHORES. Harold FM, Altendorf KH, Hirata H *Ann NY Acad Sci* 235: 149-60, 10 May 74 (Eng)

TRANSPORT, MITOCHONDRIA

AN APPRAISAL OF THE FUNCTIONAL SIGNIFICANCE OF THE INHIBITORY EFFECT OF LONG CHAIN ACYL-COAS ON MITOCHONDRIAL TRANSPORTS. Morel F, Lauquin G, Lunardi J, Duszynski J, Vignais PV *FEBS Lett* 39: 133-8, 15 Feb 74 (Eng)

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TRANSPORT RECEPTOR

TRANSPORT RECEPTOR

PROCEEDINGS: GLYCINE RECEPTORS IN THE CEREBRAL CORTEX ARE PROBABLY TRANSPORT RECEPTORS. Orrego F, Valdes F *Acta Physiol Lat Am* 23: 623-5, 1973 (Eng)

TRANSPORT SYSTEM

[MUTANTS FOR THE HEXURONATE TRANSPORT SYSTEM IN *ESCHERICHIA COLI* K 12: PHYSIOLOGICAL AND GENETIC ANALYSIS] Nemoz G, Robert-Baudouy J, Stoeber F *Acad Sci [D] (Paris)* 278: 675-8, 28 Jan 74 (Fre)

TRAUMA

TRAUMA: HORMONAL FACTORS WITH SPECIAL REFERENCE TO DIABETES MELLITUS. Efendic S, Cerasi E, Luft R *Acta Anaesthesiol Scand [Suppl]* 107-19, 1974 (Eng)

HYPEROSMOLALITY AND TRAUMA. Hallberg D *Acta Anaesthesiol Scand [Suppl]* 21-7, 1974 (Eng)

NORMAL CARBOHYDRATE METABOLISM AND CARBOHYDRATE METABOLISM IN TRAUMA. Hultman E, Bergstrom J, Nilsson LH *Acta Anaesthesiol Scand [Suppl]* 28-49, 1974 (Eng)

GENERAL METABOLIC RESPONSE TO TRAUMA INCLUDING PAIN INFLUENCE. Thoren L *Acta Anaesthesiol Scand [Suppl]* 9-14, 1974 (Eng)

TRIGLYCERIDE

[LETTER: PATHOGNOMONIC EFFECT OF INCREASED TRIGLYCERIDE VALUES] Knuchel F *Med Welt* 25: 1100, 14 Jun 74 (Ger)

[STUDIES ON THE GLYCERIDE STRUCTURE OF FATS. 6. STUDIES WITH SYNTHETIC TRIGLYCERIDES ON THE FATTY ACIDS SPECIFICITY OF LIPASE OF *GEOTRICHUM CANDIDUM*] Franzke C, Kroll J, Petzold R *Nahrung* 17: 171-84, 1973 (Ger)

INTERACTION OF HUMAN SERUM HIGH DENSITY LIPOPROTEINS WITH TRIGLYCERIDES IN VITRO. Koren E, Maric Z, Milkovic S *FEBS Lett* 44: 43-9, 15 Aug 74 (Eng)

[BEHAVIOR OF THE FATTY ACID PATTERN OF TRIGLYCERIDES IN LIVER PARENCHYMA AND DEPOT FATS IN DIABETIC PATIENTS IN RELATION TO FATTY LIVER] Singer P, Gnauck G, Thoele H, Honigsmann G, Buntrock P, Kettler LH *Dtsch Z Verdau Stoffwechselkr* 34: 27-35, 1974 (Ger)

TRIGLYCERIDE LIPASE

HETEROGENEITY OF TRIGLYCERIDE LIPASE OF RAT ADIPOCYTES. COMPARISON OF TRIGLYCERIDE AND MONOGLYCERIDE LIPASE ACTIVITIES IN SOLUBLE AND PARTICULATE FRACTIONS. Chmelarova M, Chmelar M *Eur J Biochem* 44: 235-42, 2 May 74 (Eng)

TRIGLYCERIDE, SERUM

SERUM CHOLESTEROL AND SERUM TRIGLYCERIDE LEVELS IN AUSTRALIAN ADOLESCENT MALES. Hickie JB, Sutton J, Russo P, Ruys J, Kraegen EW *Med J Aust* 1: 825-8, 25 May 74 (Eng)

TRIIODOTHYRONINE

EFFECTS OF INSULIN, TRIIODOTHYRONINE AND CORTICOSTERONE ON ORGAN CULTURES OF THE ADULT RAT CEREBELLUM. Kiernan JA *Acta Neuropathol (Berl)* 30: 25-31, 1974 (Eng)

TROTTER

[THE EFFECT OF INTERMITTENT TRAINING LOADS ON BLOOD CHARACTERISTICS IN TROTTERS (AUTHORS TRANSL.)] Krzywanek H, Schulze A, Wittke G *Eur J Appl Physiol* 32: 329-40, 1974 (Ger)

TUBULE, PROXIMAL

THE IN VIVO LOCALIZATION OF HIGH-AFFINITY PHLORIZIN RECEPTORS TO THE BRUSH BORDER SURFACE OF THE PROXIMAL TUBULE IN DOG KIDNEY. Silverman M *Biochim Biophys Acta* 339: 92-102, 26 Feb 74 (Eng)

TUMOR

[GLUCOSE RETENTION AND GROWTH RATE OF TUMORS (AUTHORS TRANSL.)] Rieger F *Arch Geschwulstforsch* 43: 56-9, 1974 (Ger) [15]

[ROLE OF GLUCONEOGENESIS IN THE MAINTENANCE OF NORMOGLYCEMIA IN THE BODY OF ANIMALS WITH TRANSPLANTED TUMORS] Blinov VA, Shapot VS *Vopr Onkol* 20: 60-5, 1974 (Rus)

TUMOR CELL

[TUMOUR CELL BALANCE AND SUPPLY OF SUBSTRATES (AUTHORS TRANSL.)] von Ardenne M, Rieger F *Arch Geschwulstforsch* 44: 25-46, 1974 (Ger)

TURNOVER RATE

UTILIZATION AND TURNOVER RATE OF FRUCTOSE DURING CONTINUOUS INTRAVENOUS INFUSION IN PRE-TERM AND TERM NEWBORNS IN DEPENDENCE ON AGE. Beyreiss K, Rautenbach M *Biol Neonate* 24: 330-43, 1974 (Eng)

TYRAMINE EFFECT

THE EFFECT OF NORADRENALINE AND TYRAMINE ON CARDIAC CONTRACTILITY, CYCLIC AMP, AND PHOSPHORYLASE A IN NORMAL AND HYPERTHYROID RATS. Young BA, McNeill JH *Can J Physiol Pharmacol* 52: 375-83, Jun 74 (Eng)

ULCERATION, NEUROPATHIC

AN AMBULATORY APPROACH TO THE NEUROPATHIC ULCERATION. Brenner MA *J Am Podiatry Assoc* 64: 862-6, Nov 74 (Eng)

UNSTIRRED LAYER

THE INTESTINAL UNSTIRRED LAYER: ITS SURFACE AREA AND EFFECT ON ACTIVE TRANSPORT KINETICS. Wilson FA, Dietschy JM *Biochim Biophys Acta* 363: 112-26, 21 Aug 74 (Eng)

UREA

UREA AND CREATININE PRODUCTION AND EXCRETION IN URINE DURING AND AFTER PROLONGED HEAVY EXERCISE. Refsum HE, Stromme SB *Scand J Clin Lab Invest* 33: 247-54, May 74 (Eng)

UREA NITROGEN

POSTMORTEM CHEMISTRIES ON BLOOD WITH PARTICULAR REFERENCE TO UREA NITROGEN, ELECTROLYTES, AND BILIRUBIN. Coe JJ *J Forensic Sci* 19: 33-42, Jan 74 (Eng)

UREMIA

[EFFECT OF THE INHIBITOR OF GLUCOSE UTILIZATION, ISOLATED FROM SERUM OF PATIENTS IN UREMIA, UPON MORPHOLOGY AND MEMBRANE PERMEABILITY OF ERYTHROCYTES (AUTHORS TRANSL.)] Gajdos M, Dzurik R *Bratisl Lek Listy* 62: 29-34, 1974 (Slo)

URIDINE DIPHOSPHATE GLUCURONIC ACID

LIPID ACCEPTOR IN UDPGLUCURONIC ACID METABOLISM IN RAT LIVER MICROSOMES. Puhakainen E, Hanninen O *FEBS Lett* 39: 144-8, 15 Feb 74 (Eng)

URINARY TRACT INFECTION

LETTER: ASYMPTOMATIC KIDNEY AND URINARY TRACT INFECTION IN INDIAN DIABETICS. Anonymous *J Assoc Physicians India* 22: 633-4, Aug 74 (Eng)

A NONCULTURE METHOD FOR HOME FOLLOW-UP OF URINARY TRACT INFECTIONS IN CHILDHOOD. Todd J, McLain L, Duncan B, Brown M *J Pediatr* 85: 514-6, Oct 74 (Eng)

URINE

UREA AND CREATININE PRODUCTION AND EXCRETION IN URINE DURING AND AFTER PROLONGED HEAVY EXERCISE. Refsum HE, Stromme SB *Scand J Clin Lab Invest* 33: 247-54, May 74 (Eng)

EFFECT OF ADAPTATION TO HIGH ALTITUDE ON COMPONENTS OF BLOOD AND URINE OF LOWLANDERS COMPARED WITH HIGH ALTITUDE NATIVES. Shivastava KK, Malhotra MS *Int J Biometeorol* 18: 229-87, Dec 74 (Eng)

UTERUS, RAT

CARBOHYDRATE METABOLISM IN RAT UTERUS DURING THE OESTROUS CYCLE. Greenstreet R, Fotherby K *Steroids Lipids Res* 4: 341-50, 1973 (Eng)

VALINOMYCIN EFFECT

COMPLEXITY IN VALINOMYCIN EFFECTS ON AMINO ACID TRANSPORT. De Cespedes C, Christensen HN *Biochim Biophys Acta* 339: 139-45, 26 Feb 74 (Eng)

VALS-LES-BAINS

[TOWARDS A BETTER KNOWLEDGE OF THE ACTION MECHANISM OF THERMAL SODIUM BICARBONATE THERAPY AT VALS-LES-BAINS IN DIABETES] Allard A, Vague P *Sem Hop Ther* 50: 291-5, Apr 74 (Fre)

VASCULAR DISEASE

FACTORS INFLUENCING THE PROGNOSIS OF VASCULAR DISEASE IN INSULIN-DEFICIENT DIABETES OF LONG DURATION: A SEVEN-YEAR FOLLOW-UP. Martin FI, Warne GL *Metabolism* 24: 1-9, Jan 75 (Eng)

VASCULAR HAZARD

[PERIODIC HOSPITALIZATION OF PATIENTS WITH VASCULAR AND/OR METABOLIC HAZARDS] Lesobre B, Cathelineau G *Nouv Presse Med* 3: 2510-1, 9-23 Nov 74 (Fre)

Diabetes Literature—Keyword Index

VASCULATURE

ARTERIOSCLEROTIC CHANGES WITHIN THE DIABETIC ORAL VASCULATURE. Keene JJ *Jr J Dent Res* 54: 77-82, Jan-Feb 75 (Eng)

VELOCITY

[EFFECTS OF PHOTOCOAGULATION ON THE VELOCITY OF RETINAL CIRCULATION IN DIABETIC RETINOPATHY (AUTHORS TRANSL)] Okano T, Horiuchi T, Saruya S, Su-kegawa Y *Acta Soc Ophthalmol Jpn* 78: 926-38, 10 Sep 74 (Jpn)

VELOCITY, AORTIC

AORTIC VELOCITY AND ACCELERATION MEASUREMENTS IN THE ASSESSMENT OF CORONARY HEART DISEASE. Jewitt D, Gabe I, Mills C, Maurer B, Thomas M, Shillingford J *Eur J Cardiol* 1: 299-305, Mar 74 (Eng)

VESICLE

MEMBRANE PROTEINS OF CATECHOLAMINE-STORING VESICLES IN ADRENAL MEDULLA AND SYMPATHETIC NERVES. Winkler H, Hortnagl H, Asamer H, Plattner H *Adv Exp Med Biol* 32: 69-81, 1972 (Eng)

VESICLE, BACTERIAL MEMBRANE

MECHANISMS OF ACTIVE TRANSPORT IN ISOLATED BACTERIAL MEMBRANE VESICLES. FURTHER STUDIES ON AMINO ACID TRANSPORT IN STAPHYLOCOCCUS AUREUS MEMBRANE VESICLES. Short SA, Kaback HR *J Biol Chem* 249: 4275-81, 10 Jul 74 (Eng)

VESICLE, INSULIN SECRETORY

VESICULAR BINESIS: GLUCOSE EFFECT ON INSULIN SECRETORY VESICLES. Gabbay KH, Korff J, Schneeberger EE *Science* 187: 177-9, 17 Jan 75 (Eng)

VESICULAR BINESIS

VESICULAR BINESIS: GLUCOSE EFFECT ON INSULIN SECRETORY VESICLES. Gabbay KH, Korff J, Schneeberger EE *Science* 187: 177-9, 17 Jan 75 (Eng)

VIRAL STUDY

PROCEEDINGS: VIRAL AND EPIDEMIOLOGICAL STUDIES. Gamble DR *J Clin Pathol* 27: 929, Nov 74 (Eng)

VITRECTOMY

[TOTAL VITRECTOMY BY ANTERIOR ROUTE] Haut J, Limon S, Lecoq PJ *Bull Mem Soc Fr Ophthalmol* 86: 260-7, 1973 (Fre)

[VITRECTOMY] Kloti R *Bull Mem Soc Fr Ophthalmol* 86: 251-3, 1973 (Fre)

VITREOUS BODY REPLACEMENT

[HYALURONIC ACID AS VITREOUS BODY REPLACEMENT] Kloti R *Ophthalmologica* 165: 351-9, 1972 (Ger)

VOMITING, PERIODIC

[HYPERACTIVITY OF THE BETA-RECEPTOR IN CHILDREN—WITH SPECIAL REFERENCE TO PERIODIC VOMITING (SO-CALLED AUTOTOXICATION) AND ORTHOSTATIC DYSREGULATION] Furusho K, Muraishi K, Sato K, Noda C *Jpn J Clin Med* 32: 2907-18, Sep 74 (Jpn)

WALL, RAT AORTA

[LACTATE DEHYDROGENASE ISOENZYMES IN THE WALL OF THE RATS AORTA IN EXPERIMENTAL STREPTOZOTOCIN-DIABETES] Wohlrab F, Gotze J *Dtsch Z Verdau Stoffwechselkr* 34: 53-8, 1974 (Ger)

WDHA SYNDROME

[WDHA (WATERY DIARRHEA, HYPOKALEMIA, A CHLORHYDRIA) SYNDROME] Saito R, Himeno S, Toei N *Jap J Clin Med* 32: 711-8, 10 Apr 74 (Jap) [38]

WEAKNESS, EPISODIC

EPISODIC WEAKNESS IN THYROTOXICOSIS. Isaacs B, Thomas E, Hall JA *Practitioner* 213: 69-72, Jul 74 (Eng)

WEIGHT CONTROL

INFANTILE OBESITY AND LATER WEIGHT CONTROL IN THE BABOON. Bruch H, Voss WR *Nature* 250: 268-9, 19 Jul 74 (Eng)

WEIGHT REDUCTION EFFECT

EFFECT OF WEIGHT REDUCTION IN THE RAT ON EPIDIDYMAL FAT-CELL SIZE AND RELATIVE DISPERSION. Smith JE, DiGirolamo M *Am J Physiol* 227: 420-4, Aug 74 (Eng)

WHITE RAMI COMMUNICANTES

MYELINATED FIBRES IN HUMAN PARAVENTRAL SYMPATHETIC CHAIN: WHITE RAMI COMMUNICANTES IN ALCOHOLIC AND DIABETIC PATIENTS. Appenzeller O, Ogin G *J Neurol Neurosurg Psychiatry* 37: 1155-61, Oct 74 (Eng)

ZOLLINGER ELLISON SYNDROME

WISTAR RAT

INHIBITION OF GLUCAGON SECRETION BY GLUCOSE AND GLYCERALDEHYDE ON ISOLATED ISLETS OF WISTAR RATS. Hahn HJ, Ziegler M, Mohr E *FEBS Lett* 49: 100-2, 1 Dec 74 (Eng)

WOMAN

STUDIES OF GLUCOSE TOLERANCE, INSULIN AND GROWTH HORMONE SECRETION DURING THE MENSTRUAL CYCLE IN HEALTHY WOMEN. Walsh CH, OSullivan DJ *Ir J Med Sci* 144: 18-24, Jan 75 (Eng)

WORK, SYLLABA

[CONTRIBUTION OF THE WORK OF PROF. J. SYLLABA: TREATMENT OF DIABETIC COMA BASED ON OWN EXPERIENCES. PROJECT FOR THE UNIFICATION OF TREATMENT. VNITRNI LEK. 20,1974.7: P.686-93] Pav J, Rosival V *Vnitř Lek* 20: 1215-8, Dec 74 (Cze)

XENON

EVALUATION OF PERIPHERAL VASCULAR DISEASE USING RADIOACTIVE XENON. Denaro JA, Weinstein G, Imparato AM, Braunstein P *Rev Surg* 32: 65-7, Jan-Feb 75 (Eng)

YEAST

THE ACTION OF ANTIBIOTICS ON ENZYME SECRETION IN YEASTS: STUDIES WITH CYTOCHALASIN A. Kuo SC, Lampen JO *Ann NY Acad Sci* 235: 137-48, 10 May 74 (Eng)

THE PREPARATION AND PROPERTIES OF PYRUVATE KINASE FROM YEAST. Fell DA, Liddle PF, Peacocke AR, Dwek RA *Biochem J* 139: 665-75, Jun 74 (Eng)

YEAST HEXOKINASE REACTION

YEAST HEXOKINASE REACTION WITH ADENOSINE 5-O-TRIPHOSPHATE AND ADENOSINE 5-O-(1-THIO-TRIPHOSPHATE) MONITORED BY LIQUID CHROMATOGRAPHY. Stahl KW, Schlimme, Eckstein F *FEBS Lett* 40: 241-6, 1 Apr 74 (Eng)

ZINC

ZINC AND INSULIN CONTENT IN PANCREATIC ISLETS OF RATS AFTER ADMINISTRATION OF HYPOGLYCEMIC SULFONAMIDES. Lazaris YA, Kuts LG, Bavelskii ZE *Bull Exp Biol Med* 77: 647-9, Dec 74 (Eng)

ZINC BLOCKADE

[THE ROLE OF ZINC BLOCKADE IN THE PATHOGENESIS OF DITHIZONE-INDUCED DIABETES] Lazaris IaA, Meiramov GG *Probl Endokrinol (Mosk)* 20: 90-4, Sep-Oct 74 (Rus)

ZOLLINGER ELLISON SYNDROME

PATHOMORPHOLOGIC, BIOCHEMICAL, AND DIAGNOSTIC ASPECTS OF GASTRINOMAS (ZOLLINGER-ELLISON SYNDROME). Creutzfeldt W, Arnold R, Creutzfeldt C, Track NS *Hum Pathol* 6: 47-76, Jan 75 (Eng)



Diabetes Literature—Author Index

Subject headings are included only under first author.

Abbott WM

AMINO ACID METABOLISM IN ACUTE RENAL FAILURE: INFLUENCE OF INTRAVENOUS ESSENTIAL L-AMINO ACID HYPERALIMENTATION THERAPY. Abel RM, Shih VE, Abbott WM, Beck CH Jr, Fischer JE *Ann Surg* 180: 350-5, Sep 74 (Eng)

Abe R

EFFECT OF CLOFIBRATE ADMINISTRATION ON PLASMA POST-HEPARIN LIPOLYTIC ACTIVITY IN MAN. Maruhama Y, Yanbe A, Abe R, Oneda A, Yamagata S *Tohoku J Exp Med* 113: 343-9, Aug 74 (Eng)

Abel RM

AMINO ACID METABOLISM IN ACUTE RENAL FAILURE: INFLUENCE OF INTRAVENOUS ESSENTIAL L-AMINO ACID HYPERALIMENTATION THERAPY. Abel RM, Shih VE, Abbott WM, Beck CH Jr, Fischer JE *Ann Surg* 180: 350-5, Sep 74 (Eng)

ADULT; MIDDLE AGE; AGED; HUMAN; MALE; FEMALE; AMINO ACIDS (metabolism, blood, urine); KIDNEY FAILURE, ACUTE (metabolism, drug therapy, blood, mortality, urine); AMINO ACIDS, ESSENTIAL (therapeutic use, administration & dosage); INFUSIONS, PARENTERAL; POSTOPERATIVE COMPLICATIONS; HYPERTONIC SOLUTIONS; GLUCOSE (therapeutic use); VITAMINS (therapeutic use); KIDNEY FUNCTION TESTS.

Adadevoh BK

INFLUENCE OF ETHER ANAESTHESIA ON SUXAMETHONIUM-INDUCED HYPERKALAEMIA. Magbagbeola JA, Adadevoh BK, Durwoju JE *Anaesthesia* 29: 429-34, Jul 74 (Eng)

Addison JM

COMPETITION BETWEEN CARNOSINE AND OTHER PEPTIDES FOR TRANSPORT BY HAMSTER JEJUNUM IN VITRO. Addison JM, Matthews DM, Burston D *Clin Sci Mol Med* 46: 707-14, Jun 74 (Eng)

HAMSTERS; ANIMAL EXPERIMENTS; MALE; IN VITRO; DIPEPTIDES (metabolism); ALANINE (metabolism); HISTIDINE (metabolism); BIOLOGICAL TRANSPORT; JEJUNUM (metabolism); HYDROLYSIS; GLYCINE (metabolism); PROLINE (metabolism); SARCOSINE (metabolism); METHIONINE (metabolism); AMINO ACIDS (metabolism); LYSINE (metabolism); GLUTAMATES (metabolism); INTESTINAL ABSORPTION; INTESTINAL MUCOSA (metabolism).

Adour KK

IDIOPATHIC FACIAL PARALYSIS (BELLS Palsy): FACTORS AFFECTING SEVERITY AND OUTCOME IN 446 PATIENTS. Adour KK, Winger J *Neurology (Minneapolis)* 24: 1112-6, Dec 74 (Eng)

AGE FACTORS; CONTRACTURE (etiology); DIABETES MELLITUS (complications); FACIAL PARALYSIS (diagnosis, complications); FEMALE; HEARING DISORDERS (complications); HUMAN; HYPERTENSION (complications); MALE; MIDDLE AGE; MOVEMENT DISORDERS (etiology); NEUROSES (complications); PROGNOSIS; PSYCHOSES (complications); SEX FACTORS; VASCULAR DISEASES (complications).

Ahuja MM

DEGREE OF ACETONAEMIA FOLLOWING EPINEPHRINE INFUSION TO DETERMINE BIOCHEMICAL CHARACTERIZATION OF DIABETES MELLITUS. Malik TK, Kumar V, Ahuja MM *Indian J Med Res* 62: 80-5, Jan 74 (Eng)

Ajika K

THE ADENOHYPOPHYSIAL RESPONSE TO STRESS AND ITS HYPOTHALAMIC CONTROL. McCann SM, Krulich L, Illner P, Quijada M, Ajika K, Fawcett CP *Adv Exp Med Biol* 33: 157-64, 1972 (Eng)

Akanuma Y

[LIPOATROPHIC DIABETES WITH FAT MALABSORPTION (AUTHORS TRANSL.)] Imawari M, Takeuchi A, Yamaji T, Kitamura T, Akanuma Y *J Jpn Soc Intern Med* 63: 656-62, 10 Jul 74 (Jpn)

Akoun G

[HYPOGLYCEMIC SULFONAMIDES, KIDNEY FAILURE AND HYPOGLYCEMIC COMA] Akoun G, Beucier A, Pignard P *Cah Med* 15: 333-6, 15 Jun 74 (Fre)

AGED; ANTIDIABETICS (adverse effects); DIABETIC COMA (chemically induced); DRUG INCOMPATIBILITY; FEMALE; HUMAN; HYPOGLYCEMIA (chemically induced); KIDNEY FAILURE, CHRONIC (complications); SULFONAMIDES (adverse effects).

Alberti KG

LACTICACIDOSIS, KETOACIDOSIS, AND HYPERALANINAEMIA IN A PHENFORMIN-TREATED DIABETIC PATIENT. Ball S, Woods HF, Alberti KG *Br Med J* 4: 699-700, 21 Dec 74 (Eng)

Aleksandrov AA

[CAUSES AND EFFECTS OF HYPERACTIVITY OF THE SYMPATHICO-ADRENAL SYSTEM IN ACUTE MYOCARDIAL INFARCT] Oganov RG, Vinogradova IV, Aleksandrov AA *Kardiologia* 14: 140-50, Oct 74 (Rus) [146]

Alexander RW

PHYSICIANS GUIDELINES FOR THE DIABETIC IN INDUSTRY. Alexander RW, Tetrick L, Friedman GJ *J Occup Med* 16: 802-3, Dec 74 (Eng)

ABSENTEEISM; DIABETES MELLITUS (diagnosis, physiopathology); DISABILITY EVALUATION; EMPLOYMENT; HUMAN; INDUSTRIAL MEDICINE.

Alkonyi I

DEMONSTRATION OF AN ENZYMATIC TRANSFER REACTION BETWEEN BETA-METHYL-CROTONYL-COENZYME A AND L-CARNITINE. Alkonyi I, Sandor A *Acta Biochim Biophys Acad Sci Hung* 7: 149-50, 1972 (Eng)

COENZYME A (metabolism); BUTYRATES (metabolism); CARNITINE (metabolism); ACETYLTRANSFERASES (metabolism); CROTONATES (metabolism); SPECTROPHOTOMETRY; KINETICS; ACETYL COENZYME A.

Alland A

[TOWARDS A BETTER KNOWLEDGE OF THE ACTION MECHANISM OF THERMAL SODI-

UM BICARBONATE THERAPY AT VALS-LES-BAINS IN DIABETES] Alland A, Vague P *Sem Hop Ther* 50: 291-5, Apr 74 (Fre)

BICARBONATES; BLOOD SUGAR; CLINICAL RESEARCH; DIABETES MELLITUS (therapy); FRANCE; GLUCOSE TOLERANCE TEST; HUMAN; HYDROTHERAPY; INSULIN (secretion); MINERAL WATERS; SODIUM.

Allen SD

BLOOD CHARACTERISTICS OF THE HOLSTEIN CALF RELEVANT IN CARDIOPULMONARY STUDIES. Nelson JH, Ekins DS, Allen SD *J Appl Physiol* 37: 145-51, Aug 74 (Eng)

Almazor M

[STUDY OF 50 PURULENT NONTUBERCULOUS PLEURISIES SUBJECTED TO MEDICAL TREATMENT] Moigneau C, Guillemet JM, Almazor M *Poumon Coeur* 30: 115-21, 1974 (Fre)

Altenahr E

IMMUNE INSULITIS AND MANIFEST DIABETES MELLITUS. STUDIES ON THE COURSE OF IMMUNE INSULITIS AND THE INDUCTION OF DIABETES MELLITUS IN RABBITS IMMUNIZED WITH INSULIN. Kloppe G, Altenahr E, Freytag G, Jansen FK *Virchows Arch [Pathol Anat]* 364: 333-46, 1974 (Eng)

Altendorf KH

PROBING MEMBRANE TRANSPORT MECHANISMS WITH INOPHORES. Harold FM, Altendorf KH, Hirata H *Ann NY Acad Sci* 235: 149-60, 10 May 74 (Eng)

Altman N

GROWTH HORMONE RESPONSES TO HYPOGLYCEMIA IN POSTMENOPAUSAL DEPRESSED WOMEN. Gruen PH, Sachar EJ, Altman N, Sassin J *Arch Gen Psychiatry* 32: 31-3, Jan 75 (Eng)

Amalric P

[AN EXCEPTIONAL FORM OF DIABETIC RETINOPATHY: PATZS PAPILO-MACULOPATHY. PROPOS OF A CASE] Amalric P, Zayed A, Aubertin J *Bull Soc Ophthalmol Fr* 74: 201-5, Feb 74 (Fre)

ADOLESCENCE; DIABETIC RETINOPATHY; FEMALE; FLUORESCENCE ANGIOGRAPHY; FUNDUS OCULI; HUMAN; MACULA LUTEA.

Amendt P

[CLINICAL PARAMETERS OF PLACENTAL EDEMA IN MATERNAL DIABETES MELLITUS] Emmrich P, Godel E, Amendt P *Zentralbl Gynaekol* 96: 1393-8, 1 Nov 74 (Ger)

Ametov AS

[INSULIN CONTENT IN THE BLOOD SERUM OF HEALTHY GIRLS AND THE INDICES OF PHYSICAL DEVELOPMENT] Morozova TP, Kolesov DV, Kasatkin JuN, Ametov AS, Smirnova LK *Vopr Okhr Materin Det* 19: 49-51, Oct 74 (Rus)

Amils R

PROCEEDINGS: REGULATION OF GLUCONEOGENESIS IN *BACILLUS STEAROTHERMOPHILUS*. Amils R, Cannata JJ *Acta Physiol Lat Am* 23: 569-71, 1973 (Eng)

Diabetes Literature—Author Index

Ammon HP

ANIMAL EXPERIMENTS; GLUCONEOGENESIS; BACTERIA (metabolism, enzymology, growth & development); CASEIN (metabolism); CULTURE MEDIA; TEMPERATURE; PYRUVATE CARBOXYLASE (biosynthesis); PHOSPHOENOLPYRUVATE CARBOXYKINASE (biosynthesis); SACCHAROMYCES CEREVISIAE; ENZYME REPRESSION.

Ammon HP

FAILURE OF 6-AMINONICOTINAMIDE TO INHIBIT THE POTENTIATING EFFECT OF LEUCINE AND ARGININE ON GLUCOSE-INDUCED INSULIN RELEASE IN VITRO. MacDonald MJ, Ammon HP, Patel T, Steinke J *Diabetologia* 10: 761-5, Dec 74 (Eng)

Anagnostakis D

MACROGLOSSIA, TRANSIENT NEONATAL DIABETES MELLITUS AND INTRAUTERINE GROWTH FAILURE: A NEW DISTINCT ENTITY. Dacou-Voutetakis C, Anagnostakis D, Xanthou M *Pediatrics* 55: 127-31, Jan 75 (Eng)

Andersen OO

THE CLINICAL SIGNIFICANCE OF HIGHLY PURIFIED PIG-INSULIN PREPARATIONS. Deckert T, Andersen OO, Poulsen JE *Diabetologia* 10: 703-8, Dec 74 (Eng)

Andersson A

EFFECTS OF GLUCOSE ON THE ULTRASTRUCTURE AND INSULIN BIOSYNTHESIS OF ISOLATED MOUSE PANCREATIC ISLETS MAINTAINED IN TISSUE CULTURE. Andersson A, Westman J, Hellerstrom C *Diabetologia* 10: 743-53, Dec 74 (Eng)

ADSORPTION; ANIMAL EXPERIMENTS; CELLS, CULTURED; GEL FILTRATION; GLUCOSE (pharmacodynamics); HISTOCYTOCHEMISTRY; IN VITRO; INSULIN ANTIBODIES; INSULIN (biosynthesis, metabolism); ISLANDS OF LANGERHANS (drug effects, metabolism, ultrastructure); LEUCINE (metabolism); MALE; MICE, INBRED STRAINS; MICROSCOPY, ELECTRON; TIME FACTORS; TISSUE CULTURE; TRITIUM.

LONG-TERM EFFECTS OF GLUCOSE ON INSULIN RELEASE AND GLUCOSE OXIDATION BY MOUSE PANCREATIC ISLETS MAINTAINED IN TISSUE CULTURE. Andersson A *Biochem J* 140: 377-82, Jun 74 (Eng)

ANIMAL EXPERIMENTS; BICARBONATES; BUFFERS; CARBON RADIOISOTOPES; GLUCOSE (metabolism, pharmacodynamics); HYDROGEN-ION CONCENTRATION; INSULIN (secretion); ISLANDS OF LANGERHANS (metabolism, cytology, drug effects); KINETICS; MICE; OXIDATION-REDUCTION; TISSUE CULTURE.

Ando S

EFFECTS OF SURGICAL TREATMENT ON HYPOTHALAMO-PITUITARY-ADRENOCORTICAL FUNCTIONS IN PITUITARY CHROMOPHOBE ADENOMA AND CRANIOPHARYNGIOMA. Nishida S, Ando S, Kitamura K, Tomonaga M *Endocrinol Exp (Bratisl)* 8: 269-79, Dec 74 (Eng)

Andreev D

[ACUTE DIABETIC SYNDROME INDUCED IN RATS BY ANTI-INSULIN SERUM AS AN EXPERIMENTAL MODEL FOR THE STUDY OF SOME ANTIDIABETIC EFFECTS] Andreev D, Strashimirov S, Ditsov GD *Eksp Med Morfol* 13: 95-101, 1974 (Bul)

ANIMAL EXPERIMENTS; DIABETES MELLITUS (therapy, immunology); ENGLISH ABSTRACT; GUINEA PIGS (immunology); HYPERGLYCEMIA (chemically induced, drug therapy); HYPOPHYSECTOMY; IMMUNE SERUMS; INSULIN ANTIBODIES (administration & dosage); RABBITS

(immunology); RATS; TOLBUTAMIDE (therapeutic use).

Andreoli TE

THE STRUCTURE AND FUNCTION OF AMPHOTERICIN B-CHOLESTEROL PORES IN LIPID BILAYER MEMBRANES. Andreoli TE *Ann NY Acad Sci* 235: 448-68, 10 May 74 (Eng)

AMPHOTERICIN B (pharmacodynamics); CHOLESTEROL (pharmacodynamics); MEMBRANES, ARTIFICIAL; MOLECULAR CONFORMATION; SHEEP; MODELS; STRUCTURAL; ERYTHROCYTES (cytology); PERMEABILITY; STRUCTURE-ACTIVITY RELATIONSHIP; WATER; BIOLOGICAL TRANSPORT (drug effects); DIFFUSION; VISCOSITY; NYSTATIN (pharmacodynamics); CHLORIDES (metabolism); SODIUM CHLORIDE (metabolism); KINETICS; UREA; ERYTHRITOL; OSMOSIS.

Andrews SS

EFFECT OF LIPIDS ON GLUCAGON SECRETION IN MAN. Andrews SS, Lopez-S A, Blackard WG *Metabolism* 24: 35-44, Jan 75 (Eng)

ADMINISTRATION, ORAL; ADULT; ANTIBODIES; ARGININE (pharmacodynamics); BLOOD SUGAR; COMPARATIVE STUDY; DIETARY FATS; EMULSIONS; FATTY ACIDS, NONESTERIFIED (pharmacodynamics, blood, administration & dosage); GLUCAGON (blood, immunology); HEPARIN (pharmacodynamics, administration & dosage); HUMAN; INJECTIONS, INTRAVENOUS; INSULIN (pharmacodynamics); LIPIDS (pharmacodynamics); MALE; NICOTINIC ACIDS (pharmacodynamics); OILS; SOMATOTROPIN (blood); TIME FACTORS; TRIGLYCERIDES (blood); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Andrews WC

ORAL CONTRACEPTION. A REVIEW OF REPORTED PHYSIOLOGICAL AND PATHOLOGICAL EFFECTS. Andrews WC *Obstet Gynecol Surv* 26: 477-99, Jul 71 (Eng) [174]

ADULT; ANIMAL EXPERIMENTS; CARCINOGENS (pharmacodynamics); CEREBRAL EMBOLISM AND THROMBOSIS (chemically induced, mortality); CHOLESTEROL (adverse effects); CONTRACEPTIVE AGENTS, FEMALE (adverse effects); CONTRACEPTIVES, ORAL, HORMONAL (adverse effects); CORONARY DISEASE (chemically induced); ESTROGENS (adverse effects); FEMALE; FERTILITY (drug effects); GLUCOSE TOLERANCE TEST; HOSPITALIZATION; HUMAN; HYPERTENSION (chemically induced); LIPOPROTEINS (adverse effects); LIVER FUNCTION TESTS; MICE; NEOPLASMS, EXPERIMENTAL; PREGNANCY; PROGESTERONE (adverse effects); PULMONARY EMBOLISM (chemically induced, mortality); RATS; REVIEW; THROMBOEMBOLISM (chemically induced); THROMBOPHLEBITIS (chemically induced); TRIGLYCERIDES (adverse effects).

Angielski S

[NEW COMPOUNDS AND REACTIONS OF SULFONAMIDES WITH AMINES. XIV. HYPOGLYCEMIC PROPERTIES OF SOME DERIVATIVES OF N-(BENZENOSULFONYL)-DELTA-2-PYRAZOLINE-1-CARBOXAMIDE] Brzozowski Z, Angielski S, Wojcikowski C *Acta Pol Pharm* 31: 601-6, 1974 (Pol)

Anishchuk VP

[EFFECT OF HEREDITARY FACTORS ON CERTAIN INDICATORS OF METABOLISM IN CHILDREN AND ADOLESCENTS WITH OBESITY] Dudenko NV, Anishchuk VP, Savchenko DD *Pediatrui* 34-7, Dec 74 (Rus)

Aoki TT

ENDOGENOUS AND EXOGENOUS INSULIN RESPONSES IN PATIENTS WITH CYSTIC FIBROSIS. Wilmschurst EG, Soeldner JS, Holsclaw DS, Kaufmann RL, Shwachman H, Aoki TT, Gleason RE *Pediatrics* 55: 75-82, Jan 75 (Eng)

Aono K

[CHANGES IN CARBOHYDRATE TOLERANCE DURING SURGERY - WITH SPECIAL REFERENCE TO COMPARISON BETWEEN GLUCOSE AND MALTOSE] Aono K, Harano K, Hirokata Y, Nakamura Y *Jpn J Anesthesiol* 23: 797-805, Sep 74 (Jpn)

ADULT; COMPARATIVE STUDY; ENGLISH ABSTRACT; GLUCOSE TOLERANCE TEST; GLUCOSE (metabolism); HUMAN; MALTOSE (metabolism); MIDDLE AGE; SURGERY, OPERATIVE.

Appenzeller O

MYELINATED FIBRES IN HUMAN PARAVENTRAL SYMPATHETIC CHAIN: WHITE RAMI COMMUNICANTES IN ALCOHOLIC AND DIABETIC PATIENTS. Appenzeller O, Ogin G *J Neurol Neurosurg Psychiatry* 37: 1155-61, Oct 74 (Eng)

ADULT; AGE FACTORS; AGED; ALCOHOLISM (pathology); CHRONIC DISEASE; DIABETIC NEUROPATHIES (pathology); FEMALE; GANGLIA, AUTONOMIC (pathology); HUMAN; MALE; NERVE DEGENERATION; SPINAL NERVES (pathology); SYMPATHETIC NERVOUS SYSTEM (pathology).

Arcus AC

EPIDEMIOLOGY OF DIABETES MELLITUS. Beaven DW, Arcus AC, Bell JP, Smith JR *NZ Med J* 80: 291-9, 9 Oct 74 (Eng)

Arimura A

IMMUNOHISTOCHEMICAL EVIDENCE FOR THE LOCALIZATION OF SOMATOSTATIN-LIKE IMMUNOREACTIVITY IN A CELL POPULATION OF THE PANCREATIC ISLETS. Luft R, Efendic S, Hokfelt T, Johansson O, Arimura A *Med Biol* 52: 428-30, Dec 74 (Eng)

Armelin HA

REGULATION OF FIBROBLAST GROWTH IN CULTURE. Armelin HA, Armelin MC *Biochem Biophys Res Commun* 62: 260-7, 20 Jan 75 (Eng)

CELL DIVISION (drug effects); CELL SURVIVAL; CELLS, CULTURED; CULTURE MEDIA; DNA (biosynthesis); FIBROBLASTS (metabolism); HYDROCORTISONE (pharmacodynamics); INSULIN (pharmacodynamics); MICE; MITOSIS (drug effects); PITUITARY HORMONES (pharmacodynamics); THYMIDINE (metabolism); UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Armelin MC

REGULATION OF FIBROBLAST GROWTH IN CULTURE. Armelin HA, Armelin MC *Biochem Biophys Res Commun* 62: 260-7, 20 Jan 75 (Eng)

Arnold R

PATHOMORPHOLOGIC, BIOCHEMICAL, AND DIAGNOSTIC ASPECTS OF GASTRINOMAS (ZOLLINGER-ELLISON SYNDROME). Creutzfeldt W, Arnold R, Creutzfeldt C, Track NS *Hum Pathol* 6: 47-76, Jan 75 (Eng)

Arnold T

HEART RATE AND ENERGY-YIELDING SUBSTRATES IN BLOOD DURING LONG-LASTING RUNNING. Keul J, Haralambie G, Arnold T, Schumann W *Eur J Appl Physiol* 32: 279-89, 1974 (Eng)

Aroksallasi J

CARBOHYDRATE METABOLISM IN SHOCK RESISTANCE. Bardoczi A, Aroksallasi J, Karady S *Adv Exp Med Biol* 33: 649-53, 1972 (Eng)

Aronson PS

TRANSPORT OF D-GLUCOSE BY BRUSH BORDER MEMBRANES ISOLATED FROM THE RENAL CORTEX. Aronson PS, Sacktor B *Biochim Biophys Acta* 356: 231-43, 31 Jul 74 (Eng)

RABBITS: ANIMAL EXPERIMENTS: GLUCOSE (metabolism); KIDNEY CORTEX (metabolism, cytology, drug effects); CELL MEMBRANE (metabolism, drug effects); BIOLOGICAL TRANSPORT, ACTIVE; KINETICS; LITHIUM (pharmacodynamics); RECEPTORS, DRUG; MANNOSE (pharmacodynamics); BINDING SITES; GALACTOSE (pharmacodynamics); MANNITOL (pharmacodynamics); CHOLINE (pharmacodynamics); TEMPERATURE; PHLORHIZIN (pharmacodynamics); ULTRACENTRIFUGATION; SODIUM (pharmacodynamics); CENTRIFUGATION, DENSITY GRADIENT; GLYCOSIDES (pharmacodynamics); TIME FACTORS; DEOXY SUGARS (pharmacodynamics).

Arora KK

CHANGES IN GLUCOSE TOLERANCE, INSULIN, SERUM LIPIDS AND LIPOPROTEINS IN PATIENTS WITH RENAL FAILURE ON INTERMITTENT HAEMODIALYSIS. Arora KK, Atkinson MK, Trafford JA, Sheldon J, Nunn R *Postgrad Med J* 49: 293-6, May 73 (Eng)

ADULT; FEMALE; GLUCOSE TOLERANCE TEST; HEMODIALYSIS; HUMAN; INSULIN (blood); KIDNEY FAILURE, CHRONIC (blood, therapy); LIPIDS (blood); LIPOPROTEINS (blood); MALE; MIDDLE AGE; TRIGLYCERIDES (blood).

Arroyo P

[TOTAL BODY FAT. ANTHROPOMETRIC EVALUATION (AUTHORS TRANSL.)] Arroyo P, Coronado M, Quiroz SE *Rev Invest Clin* 26: 103-10, Apr-Jun 74 (Spa)

ADOLESCENCE; ADULT; MIDDLE AGE; ENGLISH ABSTRACT; HUMAN; MALE; FEMALE; COMPARATIVE STUDY; BODY COMPOSITION; ADIPOSE TISSUE (analysis); EVALUATION STUDIES; ANTHROPOMETRY; METHODS.

Arsenault AL

HISTOGENESIS OF THE ISLETS OF LANGERHANS IN MALATHION-TREATED CHICK EMBRYOS. Arsenault AL, Gibson MA *Can J Zool* 52: 1541-4, Dec 74 (Eng)

ANIMAL EXPERIMENTS; CHICK EMBRYO; ISLANDS OF LANGERHANS (drug effects, embryology); MALATHION (pharmacodynamics).

Asamer H

MEMBRANE PROTEINS OF CATECHOLAMINE-STORING VESICLES IN ADRENAL MEDULLA AND SYMPATHETIC NERVES. Winkler H, Hortnagl H, Asamer H, Plattner H *Adv Exp Med Biol* 32: 69-81, 1972 (Eng)

Assan R

SEX RELATED DIURNAL VARIATIONS IN VENOUS BLOOD GLUCOSE AND PLASMA INSULIN LEVELS. EFFECTS OF ESTROGENS IN MEN. Hauteceuvre M, Slama G, Assan R, Tchobrovsky G *Diabetologia* 10: 725-30, Dec 74 (Eng)

Atkinson MK

CHANGES IN GLUCOSE TOLERANCE, INSULIN, SERUM LIPIDS AND LIPOPROTEINS IN PATIENTS WITH RENAL FAILURE ON IN-

TERMITTENT HAEMODIALYSIS. Arora KK, Atkinson MK, Trafford JA, Sheldon J, Nunn R *Postgrad Med J* 49: 293-6, May 73 (Eng)

Atzenhofer K

[EARLY DIAGNOSIS AND PREVENTION OF DIABETES MELLITUS] Atzenhofer K, Schnetz H *Med Welt* 26: 95-102, 17 Jan 75 (Ger) [35]

AUSTRIA; BLOOD SUGAR (analysis); DIABETES MELLITUS (diagnosis, occurrence, prevention & control, pathology, etiology, therapy); DIABETES MELLITUS, JUVENILE; ENGLAND; FEMALE; GERMANY, EAST; GERMANY, WEST; HUMAN; MALE; MIDDLE AGE; OBESITY IN DIABETES (therapy); PANCREATIC DISEASES (complications); REVIEW; STRESS (complications); SWITZERLAND; TOLBUTAMIDE (diagnostic use); UNITED STATES.

Aubert J

[LETTER: STEROID-INDUCED DIABETES] Charpin J, Aubert J, Pelleray F, Vague P *Nouv Presse Med* 3: 1960, 21 Sep 74 (Fre)

Aubertin J

[AN EXCEPTIONAL FORM OF DIABETIC RETINOPATHY: PATZS PAPILLO-MACULOPATHY. APROPOS OF A CASE] Amalric P, Zayed A, Aubertin J *Bull Soc Ophthalmol Fr* 74: 201-5, Feb 74 (Fre)

Audebert A

[BIRTH CONTROL METHODS IN PSYCHIATRY] Audebert A, Emperaire JC, Cohen J, Bourgeois M *Ann Med Psychol (Paris)* 2: 92-127, Jun 74 (Fre)

BEHAVIOR (drug effects); BREAST DISEASES (chemically induced); CARDIOVASCULAR DISEASES; CENTRAL NERVOUS SYSTEM DISEASES; CONTRACEPTION (methods); CONTRACEPTIVES, ORAL (adverse effects); CONTRACEPTIVES, POSTCOITAL (administration & dosage, pharmacodynamics); DIABETES MELLITUS; FEMALE; HEADACHE (chemically induced); HUMAN; HYPERTENSION (chemically induced); JAUNDICE (chemically induced); LIBIDO (drug effects); LIVER DISEASES; MENSTRUATION DISORDERS (chemically induced); MENTAL DISORDERS; NAUSEA (chemically induced); PAIN; PROGESTATIONAL HORMONES (pharmacodynamics); SKIN DISEASES (chemically induced).

Aveldano MI

DISPLACEMENT INTO INCUBATION MEDIUM BY ALBUMIN OF HIGHLY UNSATURATED RETINA FREE FATTY ACIDS ARISING FROM MEMBRANE LIPIDS. Aveldano MI, Bazan NG *FEBS Lett* 40: 53-6, 15 Mar 74 (Eng)

CATTLE; COMPARATIVE STUDY; FATTY ACIDS, NONESTERIFIED (analysis); RETINA (analysis, cytology); LIPIDS (analysis); CELL MEMBRANE (analysis); TRIGLYCERIDES (analysis); CHROMATOGRAPHY, THIN LAYER; CHROMATOGRAPHY, GAS; SERUM ALBUMIN; BOVINE; STRUCTURE-ACTIVITY RELATIONSHIP; PHOSPHOLIPIDS (analysis); TIME FACTORS.

Avery J

A CENTRIFUGAL ANALYZER WITH A NEW ALL-DIGITAL MEASUREMENT SYSTEM. Avery J, Gregory RP 4th, Renoe BW, Woodruff T, Malmstadt HV *Clin Chem* 20: 942-49, Aug 74 (Eng)

CENTRIFUGATION (instrumentation); COMPUTERS, DIGITAL; ELECTRONICS; AUTOANALYSIS (instrumentation); SPECTROPHOTOMETRY (instrumentation); MATHEMATICS; OSCILLOMETRY; BLOOD SUGAR; HEXOKINASE; METHODS; EVALUATION STUDIES.

A VERSATILE MINIDISC MODULE FOR A CENTRIFUGAL ANALYZER. Renoe BW, Gregory RP 4th, Avery J, Malmstadt HV *Clin Chem* 20: 955-60, Aug 74 (Eng)

INCORPORATION OF A HIGH-SPEED DECIMAL DATA PROCESSOR INTO A CENTRIFUGAL ANALYZER. Gregory RP 4th, Avery J, Renoe BW, Dryden PC, Malmstadt HV *Clin Chem* 20: 950-4, Aug 74 (Eng)

AvRuskin TW

THE GLUCAGON INFUSION TEST AND GROWTH HORMONE SECRETION. AvRuskin TW, Tang SC, Juan CS *J Pediatr* 86: 102-6, Jan 75 (Eng)

ACROMEGALY (metabolism); ADULT; ANTIGENS; BODY HEIGHT; CHILD; CHILD, PRESCHOOL; COMPARATIVE STUDY; FEMALE; GLUCAGON (diagnostic use, administration & dosage); GROWTH DISORDERS (familial & genetic, metabolism); HUMAN; HYPOPHYSITISM (metabolism); INFANT; INFUSIONS, PARENTERAL; INSULIN (blood, immunology); MALE; RADIOIMMUNOASSAY; SOMATOTROPIN (secretion, immunology).

Bagriacik N

[A CASE OF DISTURBANCE OF GLUCOSE METABOLISM REGULATION IN THE COURSE OF A BRUCELLA INFECTION] Bagriacik N, Oker C, Biyal F *Turk Tip Cemii Mecm* 35: 136-44, 1969 (Tur)

ARTHRITIS (complications); BRUCELLOSIS (metabolism); DIABETES MELLITUS (etiology); HUMAN; ENGLISH ABSTRACT; GLUCOSE (metabolism); HUMAN; PANCREATITIS (complications); SPONDYLITIS (complications).

Baird GD

BOVINE KETOSIS: A REVIEW WITH RECOMMENDATIONS FOR CONTROL AND TREATMENT. Baird GD, Heitzman RJ, Hibbitt KG, Hunter GD *Br Vet J* 130: 214-20, May-Jun 74 (Eng) [20]

REVIEW; CATTLE; ANIMAL EXPERIMENTS; FEMALE; ACIDOSIS (veterinary, prevention & control, etiology); CATTLE DISEASES (prevention & control); KETONE BODIES (analysis); ENERGY METABOLISM; NUTRITION DISORDERS (complications, veterinary); DIETARY PROTEINS (metabolism); LACTATION; BODY WEIGHT; THYROXINE; BLOOD SUGAR; ANIMAL FEED; HYDROXYBUTYRATES (blood); LIPID MOBILIZATION.

Bajaj RT

HYPERGLYCEMIC RESPONSE IN CHILDREN WITH CONVULSIONS. Bajaj RT, Desai M *Indian Pediatr* 11: 719-22, Nov 74 (Eng)

BLOOD SUGAR (analysis); CHILD; CHILD, PRESCHOOL; CONVULSIONS (complications, blood); FEMALE; HUMAN; HYPERGLYCEMIA (etiology); INFANT; MALE.

Baker AP

GLYCOSYLTRANSFERASES IN CANINE RESPIRATORY TISSUE. ALTERATIONS IN AN EXPERIMENTALLY INDUCED HYPERSECRETORY STATE. Baker AP, Chakrui LN, Sawyer JL, Munro JR, Hilleagass LM, Giannone E *Biochem Med* 10: 387-99, Aug 74 (Eng)

DOGS; ANIMAL EXPERIMENTS; MALE; HEXOSYLTRANSFERASES (metabolism); TRANSFERASES (metabolism); RESPIRATORY SYSTEM (enzymology, pathology); SECRETORY RATE (drug effects); SULFUR DIOXIDE; LUNG DISEASES, OBSTRUCTIVE (enzymology, pathology); TRACHEA (enzymology); BRONCHI (enzymology); LUNG (enzymology); GALACTOSE; CYTOSINE NUCLEOTIDES; URIDINE DIPHOSPHATE SUGARS; MUCIN; NEURAMINIC ACIDS; FUCOSE; GLUCOSE; GLUCOSEPHOSPHATASE (analysis); KINETICS.

Bakri M

Bakri M

[TRIAL OF RESIVIT ON CONJUNCTIVAL CAPILLARY RESISTANCE] Bakri M *Bull Soc Ophthalmol Fr* 74: 259-61, Feb 74 (Fre)
ADULT; AGED; ANTHOCYANINS (therapeutic use); BIOFLAVONOIDS (therapeutic use); CAPILLARY RESISTANCE (drug effects); CONJUNCTIVA (drug effects); DIABETES MELLITUS (drug therapy); DIABETIC ANGIOPATHIES (drug therapy); FEMALE; FUNDUS OCULI; HUMAN; MALE; METHODS; MIDDLE AGE; RETINAL HEMORRHAGE; RETINAL VEIN; THROMBOPHLEBITIS (drug therapy).

Balabolkin MI

[SOMATOTROPIN AND NONESTERIFIED FATTY ACID CONTENT DURING THE STANDARD GLUCOSE TOLERANCE TEST IN CHILDREN AND ADOLESCENTS FROM FAMILIES WITH THE HISTORY OF DIABETES MELLITUS] Stulii LA, Balabolkin MI, Rozhnov AA, Kasatkin IN, Smirnova LK *Probl Endokrinol (Mosk)* 20: 3-7, Sep-Oct 74 (Rus)

Balazovjech I

[STUDY OF CATECHOLAMINE EXCRETION AFTER SINGLE ADMINISTRATION OF GLUCAGON IN DIABETICS (AUTHORS TRANSL.)] Razuš M, Balazovjech I, Kratochvilova H *Bratisl Lek Listy* 62: 701-10, Dec 74 (Slo)

Balestreri R

[GLUCAGON AND FUNCTION OF THE HYPOTHALAMO-HYPOPHYSAL-ADRENOCORTICAL SYSTEM IN HUMANS] Balestreri R, Bertolini S, Elicio N, Costa S *Boll Soc Ital Biol Sper* 50: 417-23, 15 Apr 74 (Ita)
ADOLESCENCE; ADRENAL CORTEX (drug effects); ADRENAL GLANDS (drug effects); ADULT; DEXAMETHASONE (pharmacodynamics); FEMALE; GLUCAGON (pharmacodynamics); HUMAN; HYDROCORTISONE (blood); HYPOTHALAMO-HYPOPHYSAL SYSTEM (drug effects); MALE; MIDDLE AGE.

Bail S

LACTICACIDOSIS, KETOACIDOSIS, AND HYPERALANINAEMIA IN A PHENFORMIN-TREATED DIABETIC PATIENT. Bail S, Woods HF, Alberti KG *Br Med J* 4: 699-700, 21 Dec 74 (Eng)

ACETOACETATES (blood); ACIDOSIS, DIABETIC (complications, blood); ALANINE (blood); AMITRIPTYLINE (therapeutic use); BICARBONATES (therapeutic use); BLOOD SUGAR (analysis); CHLORPROPAMIDE (therapeutic use); DIABETES MELLITUS (drug therapy); GLIBENCLAMIDE (therapeutic use); GLUCOSE (therapeutic use); HEMIPLEGIA (complications); HUMAN; HYDROGEN-ION CONCENTRATION; HYDROXYBUTYRATES (blood); INSULIN (therapeutic use); KETONE BODIES (blood); LACTATES (blood); MALE; MIDDLE AGE; PHENFORMIN (therapeutic use).

Baltschefskey H

ELECTRON TRANSPORT PHOSPHORYLATION. Baltschefskey H, Baltschefskey M *Annu Rev Biochem* 43: 871-97, 1974 (Eng) [200]
REVIEW; ANIMAL EXPERIMENTS; OXIDATIVE PHOSPHORYLATION (drug effects); ELECTRON TRANSPORT; CYTOCHROMES (metabolism); METALLOPROTEINS; IRON; SULFUR; MITOCHONDRIA, MUSCLE (drug effects, enzymology); PROTEIN BINDING; ANTIMYCIN A (pharmacodynamics); BINDING SITES; PIGEONS; MITOCHONDRIA (enzymology); MYOCARDIUM; CHLOROPLASTS (enzymology); CHROMATOPHORES (enzymology); POTENTIOMETRY; OXYGEN CONSUMPTION; KINETICS; CATIONS,

Diabetes Literature—Author Index

DIVALENT; CYTOCHROME OXIDASE (metabolism); PROTEIN CONFORMATION; ADENOSINE TRIPHOSPHATE (metabolism).

Baltschefskey M

ELECTRON TRANSPORT PHOSPHORYLATION. Baltschefskey H, Baltschefskey M *Annu Rev Biochem* 43: 871-97, 1974 (Eng) [200]

Bank S

CURRENT CONCEPTS RELATING TO METABOLIC CHANGES AFTER PORTACAVAL SHUNTS, AND ALCOHOL AND THE PANCREAS. (2). ALCOHOL AND THE PANCREAS. Wheatley IC, Waterworth MW, Barbezat GO, Bank S, Marks S, Hickman R, Terblanche J *S Afr J Surg* 12: 202-4, Dec 74 (Eng)

Bar HP

CYCLIC NUCLEOTIDES AND SMOOTH MUSCLE. Bar HP *Adv Cyclic Nucleotide Res* 4: 195-237, 1974 (Eng) [153]
REVIEW; GUINEA PIGS; ANIMAL EXPERIMENTS; HUMAN; FEMALE; ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism, physiology); GUANOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); MUSCLE, SMOOTH (metabolism, drug effects, physiology); TRACHEA (metabolism); INTESTINES (metabolism); UTERUS (metabolism); CALCIUM (metabolism); CORTICOTROPIN (pharmacodynamics); PROTEIN KINASE (metabolism); PHOSPHODIESTERASES (metabolism); ADENYL CYCLASE (metabolism); DIBUTYRYL CYCLIC AMP (pharmacodynamics); ADRENERGIC BETA RECEPTOR AGONISTS (pharmacodynamics); ADRENERGIC ALPHA RECEPTOR AGONISTS (pharmacodynamics); OXYTOCIN (pharmacodynamics); VEINS (metabolism); GLYCOGEN PHOSPHORYLASE (metabolism); ARTERIES (metabolism).

Barbezat GO

CURRENT CONCEPTS RELATING TO METABOLIC CHANGES AFTER PORTACAVAL SHUNTS, AND ALCOHOL AND THE PANCREAS. (2). ALCOHOL AND THE PANCREAS. Wheatley IC, Waterworth MW, Barbezat GO, Bank S, Marks S, Hickman R, Terblanche J *S Afr J Surg* 12: 202-4, Dec 74 (Eng)

GLUCAGON AND THE PANCREAS, LIVER AND BILE DUCTS. Barbezat GO *S Afr J Surg* 12: 213-7, Dec 74 (Eng) [35]
ANIMAL EXPERIMENTS; BILE DUCTS (drug effects); CARBOHYDRATES (metabolism); CHOLECYSTOKININ (antagonists & inhibitors); GALLBLADDER (drug effects); GLUCAGON (pharmacodynamics, metabolism, physiology, therapeutic use, blood); HUMAN; INSULIN (physiology); LIVER CIRRHOSIS (blood); LIVER (drug effects); PANCREAS (drug effects); PANCREATIC JUICE (secretion); PANCREATITIS (drug therapy); PANCREOZYMIN (antagonists & inhibitors); REVIEW.

Bardoczi A

CARBOHYDRATE METABOLISM IN SHOCK RESISTANCE. Bardoczi A, Arokszałlasi J, Karady S *Adv Exp Med Biol* 33: 649-53, 1972 (Eng)

RATS; ANIMAL EXPERIMENTS; MALE; FEMALE; CARBOHYDRATES (metabolism); SHOCK (metabolism); ADAPTATION, PHYSIOLOGICAL; TOUNIQUESTS; NAD (blood); MALATE DEHYDROGENASE (blood); BLOOD SUGAR (metabolism); BODY TEMPERATURE; RECTUM; HINDLIMB.

Barnes EW

ANTIBODIES TO PANCREATIC ISLET CELLS IN INSULIN-DEPENDENT DIABETICS WITH COEXISTENT AUTOIMMUNE DISEASE.

MacCuish AC, Irvine WJ, Barnes EW, Duncan LJ *Lancet* 2: 1529-31, 28 Dec 74 (Eng)

Baroni CD

HORMONES AND LYMPHOID TISSUES. CONTACT SENSITIVITY AND DETECTION OF THETA-CELLS IN PITUITARY DWARF MICE. Baroni CD, Doria G *Adv Exp Med Biol* 29: 655-60, 1973 (Eng)
MICE; ANIMAL EXPERIMENTS; LYMPHOID TISSUE (immunology); PITUITARY GLAND (physiology); DERMATITIS, CONTACT (immunology); DWARFISM, PITUITARY (immunology); THYROXINE (physiology); SOMATOTROPIN (physiology); ERYTHROCYTES (immunology); SHEEP (immunology); ANTIGENS; SERUM ALBUMIN, BOVINE; CATTLE (immunology); ANTILYMPHOCYTE SERUM; PICRYL CHLORIDE (pharmacodynamics); THYMECTOMY; ANIMALS, NEWBORN; IMMUNE TOLERANCE; ANTIBODY PRODUCING CELLS (immunology); T-LYMPHOCYTES (immunology); SPLEEN (immunology); LYMPH NODES (immunology).

Barta L

[SIMULTANEOUS INCIDENCE OF DIABETES MELLITUS, CIRRHOTIC HEPATITIS AND 47, XX, 21&/46, XX CHROMOSOME PICTURE] Barta L, Kemeny P, Regolyi Meresi A *Orv Hetil* 116: 153-5, 19 Jan 75 (Hun)
CHILD; CHROMOSOME ABNORMALITIES (complications); CHROMOSOMES, HUMAN, 21-22; DIABETES MELLITUS (immunology); DIABETES MELLITUS, JUVENILE (complications); FEMALE; HUMAN; IGA (analysis); IGG (analysis); IGM (analysis); KARYOTYPING; LIVER CIRRHOSIS (complications, immunology); MOSAICISM.

Bashan N

FRUCTOSE METABOLISM IN THE HUMAN RED BLOOD CELL. Moses SW, Bashan N *Isr J Med Sci* 10: 707-11, Jul 74 (Eng)

GLYCOGEN METABOLISM IN GLYCOGEN-RICH ERYTHROCYTES. Moses SW, Bashan N, Gutman A, Ockerman PA *Blood* 44: 275-84, Aug 74 (Eng)

Batchelor BR

EFFECTS OF STREPTOZOTOCIN ON GLUCOSE METABOLISM, INSULIN RESPONSE, AND ADIPOSITY IN OB/OB MICE. Batchelor BR, Stern JS, Johnson PR, Mahler RJ *Metabolism* 24: 77-91, Jan 75 (Eng)

ADIPOSE TISSUE (metabolism, cytology, drug effects); ANALYSIS OF VARIANCE; ANIMAL EXPERIMENTS; BODY WEIGHT; CARBON RADIOISOTOPES; DIAPHRAGM; GLUCOSE TOLERANCE TEST; GLUCOSE (metabolism); HYPERGLYCEMIA (metabolism, familial & genetic); INSULIN ANTIBODIES; INSULIN (blood, secretion); ISLANDS OF LANGERHANS (drug effects, secretion); MICE; MUSCLE, SMOOTH (metabolism); MUSCLES (metabolism, drug effects); OBESITY (metabolism, familial & genetic); STREPTOZOTOCIN (pharmacodynamics); TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Batchelor JG

CARBON-13 FOURIER TRANSFORM NUCLEAR MAGNETIC RESONANCE. 8. ROLE OF STERIC AND ELECTRIC FIELD EFFECTS IN FATTY ACID SPECTRA. Batchelor JG, Cushley RJ, Prestegard JH *J Org Chem* 39: 1698-1705, 14 Jan 74 (Eng)
NUCLEAR MAGNETIC RESONANCE; STEREOISOMERS; ENERGY TRANSFER; FATTY ACIDS; MOLECULAR CONFORMATION; CARBON ISOTOPES; FATTY ACIDS, UNSATURATED; STRUCTURE-ACTIVITY RELATIONSHIP.

Batistoni GA

LONG-TERM INFUSION OF GROWTH HORMONE RELEASE INHIBITING HORMONE IN ACROMEGALY: EFFECTS ON PITUITARY AND PANCREATIC HORMONES. Besser GM, Mortimer CH, McNeilly AS, Thorne MO, Batistoni GA, Bloom SR, Kastrup KW, Hanssen KF, Hall R, Coy DH, Kastin AJ, Schally AV *Br Med J* 14: 622-7, 14 Dec 74 (Eng)

Batthany S

IN VIVO MODELING FOR GLUCOSE HOMEOSTASIS. Finkelstein SM, Bleicher MA, Batthany S, Tiefenbrun J *IEEE Trans Biomed Eng* 22: 47-52, Jan 75 (Eng)

Baumann K

PROXIMAL TUBULAR LACTATE TRANSPORT IN RAT KIDNEY: A MICROPUNCTURE STUDY. Hohmann B, Frohner PP, Kinne R, Baumann K *Kidney Int* 5: 261-70, Apr 74 (Eng)

Bavelskij ZE

ZINC AND INSULIN CONTENT IN PANCREATIC ISLETS OF RATS AFTER ADMINISTRATION OF HYPOGLYCEMIC SULFONAMIDES. Lazaris YA, Kuts LG, Bavelskij ZE *Bull Exp Biol Med* 77: 647-9, Dec 74 (Eng)

Bazan NG

DISPLACEMENT INTO INCUBATION MEDIUM BY ALBUMIN OF HIGHLY UNSATURATED RETINA FREE FATTY ACIDS ARISING FROM MEMBRANE LIPIDS. Avelldano MI, Bazan NG *FEBS Lett* 40: 53-6, 15 Mar 74 (Eng)

Beaulieux J

[A CASE OF MULTIPLE RENAL PAPILLARY NECROSIS IN A DIABETIC] Viala JJ, Beaulieux J, Berard E *J Radiol Electrol Med Nucl* 55: 599-601, Aug-Sep 74 (Fre)

Beaven DW

EPIDEMIOLOGY OF DIABETES MELLITUS. Beaven DW, Arcus AC, Bell JP, Smith JR *NZ Med J* 80: 291-9, 9 Oct 74 (Eng)

ADULT; AGED; ANIMAL EXPERIMENTS; ATHEROMA (etiology); BLOOD SUGAR (analysis); CORONARY DISEASE (occurrence); DIABETES MELLITUS (occurrence, diagnosis, blood, physiopathology, complications, familial & genetic); FEMALE; GLUCOSE TOLERANCE TEST; HUMAN; INSULIN (blood, secretion); MALE; MIDDLE AGE; NEW ZEALAND; RATS; SECRETORY RATE; SHEEP.

Beischer NA

CURRENT STATUS OF ESTROGEN ASSAYS IN OBSTETRICS AND GYNECOLOGY. 2: ESTROGEN ASSAYS IN LATE PREGNANCY. Beischer NA, Brown JB *Obstet Gynecol Surv* 27: 303-43, May 72 (Eng) [103]

ABNORMALITIES, MULTIPLE (urine); ACIDOSIS; AUTOANALYSIS; BIRTH WEIGHT; CENTRAL NERVOUS SYSTEM (abnormalities); DOWNS SYNDROME; ESTRIOL (urine); FEMALE; FETAL DISEASES (urine); FETUS (abnormalities); GESTATIONAL AGE; HEART DEFECTS, CONGENITAL (urine); HUMAN; MATERNAL-FETAL EXCHANGE; PREGNANCY IN DIABETES (urine); PREGNANCY COMPLICATIONS (urine); PREGNANCY COMPLICATIONS, CARDIOVASCULAR (urine); PREGNANCY COMPLICATIONS, HEMATOLOGIC (urine); PREGNANCY TOXEMIAS (urine); PREGNANCY; PREGNANCY, PROLONGED; PREGNANCY, THIRD TRIMESTER; REVIEW; SPECTROMETRY, FLUORESCENCE.

Belal S

APPLICATION OF MERCURIMETRIC TITRATION IN SEMIMICRO ESTIMATION OF SOME SUGARS. 2. Belal S, Soliman R *Pharmazie* 29: 205, Mar 74 (Eng)

MERCURY; CARBOHYDRATES (analysis); METHODS; OXIDATION-REDUCTION; MONOSACCHARIDES (analysis); INDICATORS AND REAGENTS; IODIDES; POTASSIUM; PENTOSES (analysis); HEXOSES (analysis); GLUCOSE (analysis); FRUCTOSE (analysis); HYDROLYSIS; DISACCHARIDES (analysis).

Bell JP

EPIDEMIOLOGY OF DIABETES MELLITUS. Beaven DW, Arcus AC, Bell JP, Smith JR *NZ Med J* 80: 291-9, 9 Oct 74 (Eng)

Bellastella A

[TESTS OF SOMATOTROPIN RESERVE IN OBESITY: RESPONSE OF GH TO STIMULATION WITH L-DOPA AND L-ARGININE] D'Allessandro B, Bellastella A, Esposito V, Gasbarro R *Folia Endocrinol (Roma)* 27: 381-9, Aug 74 (Ita)

Belova TA

[RHYTHMICAL ACTIVITY OF THE ADRENAL CORTEX IN VARIOUS STATES OF THE AUTONOMIC NERVOUS SYSTEM] Belova TA, Khamidov GD *Probl Endokrinol (Mosk)* 20: 49-53, Jan-Feb 74 (Rus)

ENGLISH ABSTRACT; ADOLESCENCE; ADULT; HUMAN; PERIODICITY; ADRENAL GLANDS (physiology, drug effects); AUTONOMIC NERVOUS SYSTEM (physiology); CIRCADIAN RHYTHM; CHROMATOGRAPHY, THIN LAYER; HYDROCORTISONE (urine); CORTICOSTERONE (urine); CORTISONE (urine); PHENYLEPHRINE (diagnostic use); INJECTIONS, INTRAMUSCULAR; REST; EXERTION; BLOOD PRESSURE (drug effects); PULSE (drug effects); BLOOD SUGAR (analysis); 17-HYDROXYCORTICOSTEROIDS (urine); DESOXYCORTICOSTERONE (urine).

Belton E

AVERSION TO SUCROSE IN OBESITY. Underwood PJ, Belton E, Hulme P *Proc Nutr Soc* 32: 93a-94a, Dec 73 (Eng)

Bennett NG

THE IDENTIFICATION OF INTERMEDIATES IN THE REACTION OF PIG HEART LACTATE DEHYDROGENASE WITH ITS SUBSTRATES. Whitaker JR, Yates DW, Bennett NG, Holbrook JJ, Gutfreund H *Biochem J* 139: 677-97, Jun 74 (Eng)

Berard E

[A CASE OF MULTIPLE RENAL PAPILLARY NECROSIS IN A DIABETIC] Viala JJ, Beaulieux J, Berard E *J Radiol Electrol Med Nucl* 55: 599-601, Aug-Sep 74 (Fre)

Bergamini E

DIFFERENT MECHANISMS IN TESTOSTERONE ACTION ON GLYCOGEN METABOLISM IN RAT PERINEAL AND SKELETAL MUSCLES. Bergamini E *Endocrinology* 96: 77-84, Jan 75 (Eng)

ADRENALECTOMY; ANIMAL EXPERIMENTS; CARBON RADIOISOTOPES; CASTRATION; COMPARATIVE STUDY; DEOXYGLUCOSE (metabolism); DIABETES MELLITUS (chemically induced); GLUCOSE (metabolism); GLYCOGEN SYNTHETASE (metabolism); GLYCOGEN (metabolism); HYDROCORTISONE (pharmacodynamics); HYPOPHYSECTOMY; INSULIN (pharmacodynamics); MALE; MUSCLES (metabolism); RATS; STIMULATION, CHEMICAL; STREPTOZOTOCIN; TESTOSTERONE (pharmacodynamics); XYLOSE (metabolism).

Berger H

HYPOGLYCEMIA: A PERSPECTIVE. Berger H *Can Med Assoc J* 112: 81-5, 8 Feb 75 (Eng)

DIABETES MELLITUS (complications); DIAZOXIDE (therapeutic use); FEMALE; GLUCOSE TOLERANCE TEST; GLUCOSE (metabolism); HUMAN; HYPERINSULINISM (complications); HYPOGLYCEMIA (metabolism, etiology, drug therapy); INSULIN (blood); ISLET CELL TUMOR (complications); KREBS CYCLE; LEUCINE (diagnostic use); LIVER DISEASES (complications); LIVER (metabolism); MIDDLE AGE; MUSCLES (metabolism); PANCREATIC NEOPLASMS (complications); STREPTOZOTOCIN (therapeutic use); TOLBUTAMIDE (diagnostic use).

Berger PJ

GLUCONEOGENESIS IN RUMINANTS; GLUCOSE KINETIC PARAMETERS IN CALVES UNDER STANDARDIZED CONDITIONS. Young JW, Trott DR, Berger PJ, Schmidt SP, Smith JA *J Nutr* 104: 1049-55, Aug 74 (Eng)

Bergstrom J

NORMAL CARBOHYDRATE METABOLISM AND CARBOHYDRATE METABOLISM IN TRAUMA. Hultman E, Bergstrom J, Nilsson LH *Acta Anaesthesiol Scand [Suppl]* 28-49, 1974 (Eng)

Berkow JW

A FOLLOW-UP OF BLIND DIABETIC PATIENTS. Berkow JW, Patz A, Fine S *Ann Ophthalmol* 7: 79-82, Jan 75 (Eng)

ADULT; AGE FACTORS; BLINDNESS (etiology); DIABETES MELLITUS, JUVENILE; DIABETIC RETINOPATHY (mortality); FOLLOW-UP STUDIES; HUMAN; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Berne C

CYTOTOXIC EFFECTS OF STREPTOZOTOCIN AND N-NITROSOMETHYLEUREA ON THE PANCREATIC B CELLS WITH SPECIAL REGARD TO THE ROLE OF NICOTINAMIDE-ADENINE DINUCLEOTIDE. Gunnarsson R, Berne C, Hellerstrom C *Biochem J* 140: 487-94, Jun 74 (Eng)

Bernlohr RW

CYCLIC GUANOSINE 3:5-MONOPHOSPHATE IN ESCHERICHIA COLI AND BACILLUS LICHENIFORMIS. Bernlohr RW, Haddox MK, Goldberg ND *J Biol Chem* 249: 4329-31, 10 Jul 74 (Eng)

GUANOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ESCHERICHIA COLI (metabolism, growth & development); BACILLUS (metabolism, growth & development); CULTURE MEDIA; GLUCOSE (metabolism); GLUTAMATES (metabolism); ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); SUCCINATES (metabolism).

Bertagna X

[IN VITRO BIOSYNTHESIS OF BOVINE BETA-LIPOTROPIC HORMONE] Bertagna X, Lis M, Gilardeau C, Chretien M *Can J Biochem* 52: 349-58, May 74 (Fre)

CATTLE; ENGLISH ABSTRACT; ANIMAL EXPERIMENTS; LIPOTROPIN (biosynthesis); PITUITARY GLAND (metabolism); CHROMATOGRAPHY, ION EXCHANGE; GEL FILTRATION; ELECTROPHORESIS, POLYACRYLAMIDE GEL; AMINO ACIDS (analysis); AMINO ACID SEQUENCE; MSH; TRITUM; GLYCINE; LYSINE; GLUTAMATES; HYDROGEN-ION CONCENTRATION; SPECTROPHOTOMETRY, ULTRAVIOLET; LIPOPROTEINS, LDL; TIME FACTORS.

Bertino RE

THEORY OF RADIOIMMUNOASSAYS AND HORMONE-RECEPTOR INTERACTIONS. II. SIMULATION OF ANTIBODY DIVALENCY, COOPERATIVITY AND ALLOSTERIC EF-

Bertolini S

EFFECTS. Rodbard D, Bertino RE *Adv Exp Med Biol* 36: 327-41, 1973 (Eng)

Bertolini S

[GLUCAGON AND FUNCTION OF THE HYPOTHALAMO-HYPOPHYSAL-ADRENOCORTICAL SYSTEM IN HUMANS] Balestreri R, Bertolini S, Elicio N, Costa S *Boll Soc Ital Biol Sper* 50: 417-23, 15 Apr 74 (Ita)

Bertrand ME

[METABOLISM OF THE MYOCARDIUM IN MAN] Bertrand ME, Carre A, Gineset A, Warembourg H *Arch Mal Coeur* 67: 409-11, Apr 74 (Fre)

ENGLISH ABSTRACT; HUMAN; MALE; FEMALE; MYOCARDIUM (metabolism); OXYGEN (metabolism); LIPIDS (metabolism); GLUCOSE (metabolism); KETONES (metabolism); AMINO ACIDS (metabolism); HEART (physiology); SEX FACTORS.

Besser GM

LONG-TERM INFUSION OF GROWTH HORMONE RELEASE INHIBITING HORMONE IN ACROMEGALY: EFFECTS ON PITUITARY AND PANCREATIC HORMONES. Besser GM, Mortimer CH, McNeilly AS, Thorner MO, Batistoni GA, Bloom SR, Kastrup KW, Hanssen KF, Hall R, Coy DH, Kastin AJ, Schally AV *Br Med J* 4: 622-7, 14 Dec 74 (Eng)

ACROMEGALY (drug therapy, complications); AGED; BLOOD SUGAR; CHLORPROPAMIDE (therapeutic use); CORTICOTROPIN (blood); DIABETES MELLITUS (complications); FEMALE; FSH (blood); GLUCAGON (blood); GLUCOSE TOLERANCE TEST; HORMONES, SYNTHETIC (administration & dosage); HUMAN; INJECTIONS, INTRAVENOUS; INSULIN (blood); LH (blood); MALE; MIDDLE AGE; PROLACTIN (blood); SOMATOMEDIN (blood); SOMATOTROPIN RELEASING HORMONE (antagonists & inhibitors); SOMATOTROPIN (blood, urine); THYROTROPIN (blood).

PROCEEDINGS: THE RELATIONSHIP BETWEEN PROLACTIN AND GONADOTROPHINS: EFFECTS OF CLOMIPHENE ADMINISTRATION IN NORMAL MEN. Thorner MO, Besser GM, Hagen C, McNeilly AS *J Endocrinol* 63: 43p-44p, Nov 74 (Eng)

Bessman SP

THE FUNCTIONAL COMPARTMENTATION OF MITOCHONDRIAL HEXOKINASE. Gots RE, Bessman SP *Arch Biochem Biophys* 163: 7-14, Jul 74 (Eng)

Bethune VG

CHEMICAL AND CLINICAL EVALUATION OF THE CONTINUOUS-FLOW ANALYZER SMAC. Schwartz MK, Bethune VG, Fleisher M, Pennacchia G, Menendez-Botet CJ, Lehman D *Clin Chem* 20: 1062-70, Aug 74 (Eng)

Beucler A

[HYPOGLYCEMIC SULFONAMIDES, KIDNEY FAILURE AND HYPOGLYCEMIC COMA] Akoun G, Beucler A, Pignard P *Cah Med* 15: 333-6, 15 Jun 74 (Fre)

Beutler E

MECHANISM OF STIMULATION OF THE HEXOSE MONOPHOSPHATE SHUNT OF ERYTHROCYTES BY PYRUVATE. Beutler E, Quinto E *Enzyme* 18: 7-18, 1974 (Eng)

HUMAN; PYRUVATES (pharmacodynamics, metabolism); HEXOSEPHOSPHATES (blood); ERYTHROCYTES (metabolism, drug effects); STIMULATION, CHEMICAL; NAD (metabolism); NADP (metabolism); HEMOLYSIS; LACTATE DEHYDROGENASE (metabolism); KINETICS; HYDROGEN-ION CONCENTRATION.

Beyreiss K

UTILIZATION AND TURNOVER RATE OF FRUCTOSE DURING CONTINUOUS INTRAVENOUS INFUSION IN PRE-TERM AND TERM NEWBORNS IN DEPENDENCE ON AGE. Beyreiss K, Rautenbach M *Biol Neonate* 24: 330-43, 1974 (Eng)

PREGNANCY; HUMAN; MALE; FEMALE; FRUCTOSE (metabolism, administration & dosage, urine, blood); INFUSIONS, PARENTERAL; INFANT, PREMATURE; INFANT, NEWBORN; AGE FACTORS; GESTATIONAL AGE; BLOOD SUGAR (analysis); KINETICS.

Bhargava SK

HYPERGLYCEMIA IN THE NEWBORN. Kumari S, Sagreia K, Bhargava SK *Indian Pediatr* 11: 381-3, Aug 74 (Eng)

Billewicz WZ

COMMENTS ON THE EVALUATION OF ORAL GLUCOSE TOLERANCE TEST RESULTS. Billewicz WZ *Mater Med Pol* 6: 213-9, Jul-Sep 74 (Eng)

ADMINISTRATION, ORAL; COMPARATIVE STUDY; EVALUATION STUDIES; GLUCOSE TOLERANCE TEST; GLUCOSE (administration & dosage, blood); HUMAN; METHODS.

Binet E

[SOMATOMEDIN ACTIVITY OF THE SERUM IN THE NORMAL CHILD AND IN HYPOPIUITARISM] Binet E, Schlumberger A, Chaussain JL, Job JC *Arch Fr Pediatr* 31: 339-46, Apr 74 (Fre)

ENGLISH ABSTRACT; INFANT; CHILD, PRESCHOOL; CHILD, ADOLESCENCE; ADULT; HUMAN; MALE; FEMALE; SOMATOMEDIN (blood); AGE FACTORS; HYPOPIUITARISM (blood); DWARFISM, PITUITARY (blood); CRANIOPHARYNGIOMA (blood); CORTICOTROPIN (blood); THYROTROPIN (blood); LH (blood); FSH (blood).

Bing J

THE ABILITY OF VARIOUS INSULINS AND INSULIN FRAGMENTS TO INHIBIT THE ANGIOTENSIN I CONVERTING ENZYME. Bing J, Poulsen K, Markussen J *Acta Pathol Microbiol Scand [A]* 82: 777-82, Nov 74 (Eng)

ANGIOTENSIN II (pharmacodynamics, blood); ANGIOTENSIN (pharmacodynamics, blood); ANIMAL EXPERIMENTS; BLOOD PRESSURE (drug effects); CATTLE; COMPARATIVE STUDY; DEPRESSION, CHEMICAL; DUCKS; FEMALE; GUINEA PIGS; INSULIN (pharmacodynamics); KININASE II (antagonists & inhibitors); OLIGOPEPTIDES (pharmacodynamics); RATS; STIMULATION, CHEMICAL; SWINE.

Bird AC

APHAKIC MACULAR EDEMA: INCIDENCE AND PATHOGENESIS. Hitchens RA, Chisholm IH, Bird AC *Invest Ophthalmol* 14: 68-72, Jan 75 (Eng)

Birdsall NJ

COMPLETE CONTROL OF THE LIPID ENVIRONMENT OF MEMBRANE-BOUND PROTEINS: APPLICATION TO A CALCIUM TRANSPORT SYSTEM. Warren GB, Toon PA, Birdsall NJ, Lee AG, Metcalfe JC *FEBS Lett* 41: 122-4, 15 Apr 74 (Eng)

Bittner H

[INSULIN SECRETION IN PATIENTS WITH CORONARY HEART DISEASE (AUTHORS TRANSL)] Schenk KE, Quabbe HJ, Bittner H, Sasse H, Schroder R *Klin Wochenschr* 52: 1053-9, 15 Nov 74 (Eng)

Biyal F

[A CASE OF DISTURBANCE OF GLUCOSE METABOLISM REGULATION IN THE COURSE OF A BRUCELLA INFECTION] Bagriacik N, Oker C, Biyal F *Turk Tip Cemii Mecm* 35: 136-44, 1969 (Tur)

Blachere H

A GENERALIZED MATHEMATICAL MODEL FOR THE GROWTH KINETICS OF SACCHAROMYCES CEREVISIAE WITH EXPERIMENTAL DETERMINATION OF PARAMETERS. Peringer P, Blachere H, Corrieu G, Lane AG *Biotechnol Bioeng* 16: 431-54, Apr 74 (Eng)

Blackard WG

EFFECT OF LIPIDS ON GLUCAGON SECRETION IN MAN. Andrews SS, Lopez-S A, Blackard WG *Metabolism* 24: 35-44, Jan 75 (Eng)

Blackburn MG

THE EFFECTS OF FOUR DIFFERENT RADIANT WARMER TEMPERATURE SET-POINTS USED FOR REWARMING NEONATES. Motil KJ, Blackburn MG, Pleasure JR *J Pediatr* 85: 546-50, Oct 74 (Eng)

Bladen HA

BETA-PLATED SHEET FIBRILS, A COMPARISON OF NATIVE AMYLOID WITH SYNTHETIC PROTEIN FIBRILS. Glenner GG, Eanes ED, Bladen HA, Linke RP, Termine JD *J Histochem Cytochem* 22: 1141-58, Dec 74 (Eng)

Bleicher MA

IN VIVO MODELING FOR GLUCOSE HOMEOSTASIS. Finkelstein SM, Bleicher MA, Battathany S, Tiefenbrun J *IEEE Trans Biomed Eng* 22: 47-52, Jan 75 (Eng)

Blinov VA

[ROLE OF GLUCONEOGENESIS IN THE MAINTENANCE OF NORMOGLYCEMIA IN THE BODY OF ANIMALS WITH TRANSPLANTED TUMORS] Blinov VA, Shapov VS *Vopr Onkol* 20: 60-5, 1974 (Rus)

ANIMAL EXPERIMENTS; BLOOD SUGAR (analysis); CARCINOMA, BROWN-PEARCE (metabolism); CARCINOMA, EHRlich TUMOR; ENGLISH ABSTRACT; GLUCONEOGENESIS; GLUCOSE (metabolism); HEPATOMA (metabolism); HYPOGLYCEMIA (prevention & control); MALE; MICE; NEOPLASM TRANSPLANTATION; NEOPLASMS, EXPERIMENTAL (metabolism, blood); RABBITS; RATS.

Block MB

HYPOGLYCEMIA: CLINICAL IMPLICATIONS. PART I: REACTIVE HYPOGLYCEMIA. Block MB *Ariz Med* 31: 932-4, Dec 74 (Eng)

GLUCOSE TOLERANCE TEST; HUMAN; HYPOGLYCEMIA (diagnosis, therapy).

Blondel B

EFFECT OF CHOLERA TOXIN ON INSULIN RELEASE IN MONOLAYER CULTURES OF THE ENDOCRINE PANCREAS. Wollheim CB, Blondel B, Sharp GW *Diabetologia* 10: 783-7, Dec 74 (Eng)

Bloom SR

LONG-TERM INFUSION OF GROWTH HORMONE RELEASE INHIBITING HORMONE IN ACROMEGALY: EFFECTS ON PITUITARY AND PANCREATIC HORMONES. Besser GM, Mortimer CH, McNeilly AS, Thorner MO, Batistoni GA, Bloom SR, Kastrup KW, Hanssen KF, Hall R, Coy DH, Kastin AJ, Schally AV *Br Med J* 4: 622-7, 14 Dec 74 (Eng)

Diabetes Literature—Author Index

Brookshire KH

Bogaert C

[STIMULATION BY THYROTROPIN OF THYROID GLAND CALCIUM MOBILIZATION] Rodesch F, Bogaert C, Dumont JE *C R Acad Sci [D]* (Paris) 278: 931-4, 11 Feb 74 (Fre)

Bohle A

THE STRUCTURE OF THE GLOMERULAR CAPILLARY BASEMENT MEMBRANE IN DIABETES MELLITUS WITH AND WITHOUT NEPHROTIC SYNDROME. Wehner H, Bohle A *Virchows Arch [Pathol Anat]* 364: 303-9, 1974 (Eng)

Bohm GM

POSSIBLE PARTICIPATION OF INSULIN IN THE CONTROL OF VASCULAR PERMEABILITY. Garcia-Leme J, Bohm GM, Migliorini RH, de Souza MZ *Eur J Pharmacol* 29: 298-306, Dec 74 (Eng)

Boivin P

A MUTANT OF HUMAN RED CELL PYRUVATE KINASE WITH HIGH AFFINITY FOR PHOSPHOENOLPYRUVATE. Boivin P, Galand C *Enzyme* 18: 37-47, 1974 (Eng)
ADULT; HUMAN; GENES; MUTATION; ERYTHROCYTES (enzymology); PYRUVATE KINASE (blood, antagonists & inhibitors); PHOSPHOENOLPYRUVATE (metabolism); ANEMIA, HEMOLYTIC, CONGENITAL NONSPHEROCYTIC (enzymology); HEMOLYSIS; TEMPERATURE; UREA (pharmacodynamics); KINETICS; ADENOSINE TRIPHOSPHATE (metabolism); FRUCTOSEPHOSPHATES (metabolism); HYDROGEN-ION CONCENTRATION; ADENOSINE DIPHOSPHATE (metabolism).

Bolognese RJ

OXYTOCIN CHALLENGE TEST IN MONITORING HIGH-RISK PREGNANCIES. Cooper JM, Soffronoff EC, Bolognese RJ *Obstet Gynecol* 45: 27-33, Jan 75 (Eng)

Bonnet M

ALPHA 1-ANTITRYPSIN IN AMNIOTIC FLUID. Guibaud S, Bonnet M, Thoulon JM, Dumont M *Obstet Gynecol* 45: 34-8, Jan 75 (Eng)

Bordi C

IMMUNOFLOURESCENCE, HISTOCHEMICAL AND ULTRASTRUCTURAL STUDIES FOR THE DETECTION OF MULTIPLE ENDOCRINE POLYPEPTIDE TUMOURS OF THE PANCREAS. Bordi C, Bussolati G *Virchows Arch [Zellpathol]* 17: 13-27, 1974 (Eng)
ADULT; AGED; FEMALE; FLUORESCENT ANTIBODY TECHNIC; HISTOCYTOCHEMISTRY; HUMAN; HYPOGLYCEMIA (diagnosis, etiology); MICROSCOPY, ELECTRON; MIDDLE AGE; PANCREATIC NEOPLASMS (diagnosis, complications, pathology); PEPTIDES (analysis); ZOLLINGER-ELLISON SYNDROME (diagnosis).

Bostanci N

[THE FACTORS WHICH START THE REBOUND PHENOMENON IN THE SERUM FFA FOLLOWING INSULIN ADMINISTRATION] Bostanci N *Turk Top Cemi Mecm* 36: 185-97, 1970 (Tur)
ENGLISH ABSTRACT; EPINEPHRINE (pharmacodynamics); FATTY ACIDS, NONESTERIFIED (blood); GLUCAGON (pharmacodynamics); HUMAN; INSULIN (pharmacodynamics); LIPIDS (metabolism); SOMATOTROPIN (pharmacodynamics).

Bottoms D

ON THE RELATIONSHIPS BETWEEN THE STOICHIOMETRY OF OXIDATIVE PHOSPHORYLATION AND THE PHOSPHORYLATION POTENTIAL OF RAT LIVER

MITOCHONDRIA AS FUNCTIONS OF RESPIRATORY STATE. Davis EJ, Lumeng L, Bottoms D *FEBS Lett* 39: 9-12, 1 Feb 74 (Eng)

Boulanger M

[DIABETIC MICROANGIOPATHY: COMPARISON BETWEEN MAN AND ANIMAL] Duhalut J, Lebon F, Boulanger M, Regnault F, Kern F *Biorheology* 11: 167-78, Jun 74 (Fre)

Bourgeois M

[BIRTH CONTROL METHODS IN PSYCHIATRY] Audebert A, Empeaire JC, Cohen J, Bourgeois M *Ann Med Psychol (Paris)* 2: 92-127, Jun 74 (Fre)

Boutros AR

METABOLIC RESPONSES TO HYPERPYREXIA. Liebschutz DC, Boutros AR, Printen KJ *Surg Gynecol Obstet* 139: 403-5, Sep 74 (Eng)

Bradham GB

THE ENERGY REQUIREMENTS OF OBESITY. Bradham GB *South Med J* 67: 967-9, Aug 74 (Eng)
ADULT; HUMAN; MALE; FEMALE; OBESITY (metabolism, etiology); ENERGY METABOLISM; CALORIMETRY; BODY WEIGHT; FEEDING BEHAVIOR.

Brage D

ALCOHOL AND NERVOUS SYSTEM WITH SPECIAL REFERENCE TO THE ENOLIC NEUROPATHIES. Brage D, Garibaldi MD, Intaglietta J, Buenaventura I, Famulari A *Int J Neurol* 9: 173-85, 1974 (Eng)
ACUTE DISEASE; ALCOHOLIC INTOXICATION (complications); ALCOHOLISM (complications, classification); BRAIN DISEASES (physiopathology, etiology); CEREBELLAR DISEASES (etiology); CHILD, PRESCHOOL; CORPUS CALLOSUM; CORPUS STRIATUM; DELIRIUM TREMENS (etiology); EPILEPSY (etiology); HUMAN; HYPOGLYCEMIA (etiology); KORSAKOFFS SYNDROME (etiology); NECROSIS; NERVOUS SYSTEM DISEASES (etiology); PELLAGRA (etiology); PERIPHERAL NERVE DISEASES (etiology); PROGNOSIS; PSYCHOSES, ALCOHOLIC (etiology); SYNDROME; THIAMINE DEFICIENCY (complications); WERNICKES ENCEPHALOPATHY (diagnosis, complications, pathology).

Branch RA

HEMODYNAMIC DRUG INTERACTIONS. Nies AS, Shand DG, Branch RA *Cardiovasc Clin* 6: 43-53, 1974 (Eng) [13]

Braunstein P

EVALUATION OF PERIPHERAL VASCULAR DISEASE USING RADIOACTIVE XENON. Denaro JA, Weinstein G, Imperato AM, Braunstein P *Rev Surg* 32: 65-7, Jan-Feb 75 (Eng)

Brenner MA

AN AMBULATORY APPROACH TO THE NEUROPATHIC ULCERATION. Brenner MA *J Am Podiatry Assoc* 64: 862-6, Nov 74 (Eng)
AMBULATORY CARE; CEPHALEXIN (therapeutic use); DIABETIC NEUROPATHIES (therapy); FOOT DISEASES (therapy); HUMAN; MALE; MIDDLE AGE; SHOES; SKIN ULCER (therapy).

Brevet A

YEAST HEXOKINASE: INTERACTION WITH SUBSTRATES AND ANALOGS STUDIED BY DIFFERENCE SPECTROPHOTOMETRY. Roustan C, Brevet A, Pradel LA, Thoai N *van Eur J Biochem* 44: 353-8, 15 May 74 (Eng)

Brewer DB

PROCEEDINGS: THE KIDNEY IN DIABETES MELLITUS. Brewer DB *J Clin Pathol* 27: 928, Nov 74 (Eng)

DIABETES MELLITUS (pathology); DIABETIC NEPHROPATHIES (pathology); GLYCOGEN (metabolism); HUMAN; KIDNEY PAPILLARY NECROSIS (pathology); KIDNEY TUBULES (pathology); KIDNEY (pathology); SYNDROME.

Briggs MH

LETTER: DIETARY FAT AND CORONARY HEART DISEASE. Briggs MH *Med J Aust* 1: 970-1, 15 Jun 74 (Eng)
HUMAN; MALE; FEMALE; DIETARY FATS (metabolism); FATTY ACIDS, UNSATURATED (metabolism); CORONARY DISEASE (prevention & control); PROSTAGLANDINS (biosynthesis, pharmacodynamics); BLOOD PLATELETS (drug effects); HYPERTENSION (prevention & control); CORONARY CIRCULATION (drug effects); OBESITY (etiology).

Brinck-Johnsen T

IS CORTISOL METABOLIZED AS IT DIS-SOCIATES FROM GLUCOCORTICOID RECEPTORS IN THYMUS CELLS. Munck A, Brinck-Johnsen T *J Steroid Biochem* 5: 203-5, May 74 (Eng)

Britt DG

SERUM INSULIN, GLUCOSE, AND FREE FATTY ACIDS IN THE COW AND FETUS DURING GESTATION. Grigsby JS, Oxender WD, Hafs HD, Britt DG, Merkel RA *Proc Soc Exp Biol Med* 147: 830-4, Dec 74 (Eng)

Brixova E

[CONCERNING THE RELATIONSHIP BETWEEN SERUM LIPIDS AND LIVER STEATOSIS IN DIABETIC RETINOPATHY AND NEPHROPATHY (AUTHORS TRANSL.)] Kolesar P, Brixova E, Tomik F *Bratisl Lek Listy* 62: 662-9, Dec 74 (Slo)

Brooke JD

FACTORY ACCIDENTS AND CARBOHYDRATE SUPPLEMENTS. Brooke JD, Toogood S *Proc Nutr Soc* 32: 94a-95a, Dec 73 (Eng)
HUMAN; MALE; DIETARY CARBOHYDRATES; ACCIDENTS, INDUSTRIAL (prevention & control); GLUCOSE (administration & dosage, pharmacodynamics); ADMINISTRATION, ORAL; ENERGY METABOLISM; BLOOD SUGAR (analysis).

Brookshire KH

CHANGES IN THE RATS PREFERENCE FOR SACCCHARIN AND SODIUM CHLORIDE SOLUTIONS FOLLOWING INJECTION OF ALLOXAN MONOHYDRATE. Brookshire KH *J Comp Physiol Psychol* 87: 1061-8, Dec 74 (Eng)
AGE FACTORS; ALLOXAN DIABETES (metabolism); ALLOXAN (administration & dosage); ANIMAL EXPERIMENTS; APPETITE; AVOIDANCE LEARNING; BLOOD SUGAR (analysis); BODY WEIGHT; CHRONIC DISEASE; CONDITIONING, CLASSICAL; DRINKING BEHAVIOR; HYPERGLYCEMIA (metabolism); INJECTIONS, INTRAPERITONEAL; MALE; RATS; SACCCHARIN; SODIUM CHLORIDE; TASTE; TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..
FUNCTION OF THE ONSET OF ILLNESS IN THE PREFERENCE CHANGES OF ALLOXAN-DIABETIC RATS. Brookshire KH *J Comp Physiol Psychol* 87: 1069-72, Dec 74 (Eng)
ALLOXAN DIABETES (metabolism); ALLOXAN (administration & dosage); ANIMAL EXPERIMENTS; ASSOCIATION; AVOIDANCE LEARNING; BLOOD SUGAR (analysis); CONDITIONING, CLASSICAL; DRINKING BEHAVIOR; INJECTIONS, INTRAPERITONEAL; MALE; RATS; SACCCHARIN; SODIUM CHLORIDE; TASTE; TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Diabetes Literature—Author Index

Brouwer A

Brouwer A

EVIDENCE FOR ELECTROGENIC ASPARTATE TRANSPORT IN RAT LIVER MITOCHONDRIA. LaNoue KF, Meijer AJ, Brouwer A *Arch Biochem Biophys* 161: 544-50, 2 Apr 74 (Eng)

Browder A

PREVENTION OF STROKE. Browder A, Browder J *Can Med Assoc J* 112: 91-7, 8 Feb 75 (Eng)
AGE FACTORS; ANTICOAGULANTS (therapeutic use); ARTERIAL OCCLUSIVE DISEASES (complications, drug therapy, diagnosis); ASPIRIN (therapeutic use); AUSCULTATION; CEREBRAL ANGIOGRAPHY; CEREBRAL EMBOLISM AND THROMBOSIS (mortality); CEREBRAL HEMORRHAGE (mortality); CEREBROVASCULAR DISORDERS (prevention & control, etiology, mortality); DIABETES MELLITUS (complications); DIET THERAPY; DIPYRIDAMOLE (therapeutic use); ELECTROCARDIOGRAPHY; ETHNIC GROUPS; HUMAN; HYPERTENSION (complications, prevention & control); OPHTHALMODYNAMOMETRY; SEX FACTORS; THERMOGRAPHY.

Browder J

PREVENTION OF STROKE. Browder A, Browder J *Can Med Assoc J* 112: 91-7, 8 Feb 75 (Eng)

Brown JB

CURRENT STATUS OF ESTROGEN ASSAYS IN OBSTETRICS AND GYNECOLOGY. 2: ESTROGEN ASSAYS IN LATE PREGNANCY. Beischer NA, Brown JB *Obstet Gynecol Surv* 27: 303-43, May 72 (Eng) [103]

Brown M

A NONCULTURE METHOD FOR HOME FOLLOW-UP OF URINARY TRACT INFECTIONS IN CHILDHOOD. Todd J, McLain L, Duncan B, Brown M *J Pediatr* 85: 514-6, Oct 74 (Eng)

Brown WE

EM49: A NEW POLYPEPTIDE ANTIBIOTIC ACTIVE AGAINST CELL MEMBRANES. Meyers E, Parker WL, Brown WE, Linnett P, Strominger JL *Ann NY Acad Sci* 235: 493-501, 10 May 74 (Eng)

Brozek I

[DIABETICS FROM A MEDICAL INSTITUTION AND A REGIONAL COLLECTIVE FROM THE VIEW POINT OF PATIENT PARTICIPATION IN THE THERAPEUTIC REGIMEN] Dub O, Brozek I, Nykodym P, Kreze A *Cas Lek Cesk* 113: 1389-93, 7 Nov 74 (Cze)

Bruch H

INFANTILE OBESITY AND LATER WEIGHT CONTROL IN THE BABOON. Bruch H, Voss WR *Nature* 250: 268-9, 19 Jul 74 (Eng)
MONKEYS; ANIMAL EXPERIMENTS; OBESITY (etiology); EATING; BODY WEIGHT; BABOONS; ANIMALS, NEWBORN; APPETITE REGULATION; AGE FACTORS.

Bruhn HD

[HYPOFIBRINOLYSIS IN ACUTE MYOCARDIAL INFARCTION (AUTHORS TRANSL)] Bruhn HD, Jipp P, Okoye S, Oltmann A *Med Klin* 69: 1951-5, 22 Nov 74 (Ger)
ARTERIAL OCCLUSIVE DISEASES (blood); BLOOD COAGULATION DISORDERS (complications, drug therapy); ENGLISH ABSTRACT; ETHYLESTRENOL (therapeutic use); FEMALE; FIBRINOLYSIS (drug effects); FIBRINOLYTIC AGENTS (therapeutic use); HUMAN; HYDROCORTISONE (pharmacodynamics); IN VITRO; MALE; MIDDLE AGE; MYOCARDIAL INFARCT (blood, complications); PHENFORMIN (therapeutic use); PLASMINOGEN (antagonists & inhibitors); SERUM GLOBULINS; SHOCK,

CARDIOGENIC (blood); SOLUBILITY; UROKINASE.

Brus R

ADENYL CYCLASE ACTIVITY IN DEVELOPING RAT HEART. Brus R *Pol J Pharmacol Pharm* 26: 337-40, May-Jun 74 (Eng)
RATS; ANIMAL EXPERIMENTS; HUMAN; MALE; FEMALE; HEART (growth & development, drug effects); ADENYL CYCLASE (metabolism); MYOCARDIUM (enzymology, cytology); NOREPINEPHRINE (pharmacodynamics); ANIMALS, NEWBORN; CAFFEINE (pharmacodynamics); SERUM ALBUMIN (pharmacodynamics); ADENOSINE TRIPHOSPHATE (metabolism); TRITIUM; FLUORIDES (pharmacodynamics).

Bryla J

INTERRELATIONSHIP BETWEEN PHOSPHOENOLPYRUVATE AND CITRULLINE SYNTHESIS IN GUINEA PIG LIVER MITOCHONDRIA. Bryla J, Zaleski J, Kubica A *Acta Biochim Pol* 21: 199-211, 1974 (Eng)
GUINEA PIGS; ANIMAL EXPERIMENTS; MALE; COMPARATIVE STUDY; PHOSPHOENOLPYRUVATE (biosynthesis); CITRULLINE (biosynthesis); MITOCHONDRIA, LIVER (metabolism, drug effects); OXIDATIVE PHOSPHORYLATION; GLUTAMINE (metabolism); PROLINE (metabolism); GLUTAMATES (metabolism); CYANIDES (pharmacodynamics); HYDRAZONES (pharmacodynamics); LACTATE DEHYDROGENASE; AMINO ACIDS (pharmacodynamics); HEXOKINASE; OXYGEN CONSUMPTION (drug effects); GLUCOSEPHOSPHATE DEHYDROGENASE; ASPARTATE AMINOTRANSFERASE; PYRUVATE KINASE; OLIGOMYCIN (pharmacodynamics).

Brzozowski Z

[NEW COMPOUNDS AND REACTIONS OF SULFONAMIDES WITH AMINES. XIV. HYPOGLYCEMIC PROPERTIES OF SOME DERIVATIVES OF N-(BENZENOSULFONYL)-DELTA-2-PYRAZOLINE-1-CARBOXAMIDE] Brzozowski Z, Angielski S, Wojcikowski C *Acta Pol Pharm* 31: 601-6, 1974 (Pol)
AMIDES (pharmacodynamics); ANIMAL EXPERIMENTS; ANTIDIABETICS; BLOOD SUGAR; CHEMISTRY; ENGLISH ABSTRACT; INDICATORS AND REAGENTS; PYRAZOLES (pharmacodynamics); RATS; SULFONAMIDES (pharmacodynamics).

Buenaventura I

ALCOHOL AND NERVOUS SYSTEM WITH SPECIAL REFERENCE TO THE ENOLIC NEUROPATHIES. Brage D, Garibaldi MD, Intaglietta J, Buenaventura I, Famulari A *Int J Neurol* 9: 173-85, 1974 (Eng)

Buirschell BJ

THE DEVELOPMENT OF PHOSPHOPYRUVATE CARBOXYLASE AND GLUCONEOGENESIS IN NEONATAL RATS. Pearce PH, Buirschell BJ, Weaver PK, Oliver IT *Biol Neonate* 24: 320-9, 1974 (Eng)

Buja ML

GLUCOSE UTILIZATION BY SWEAT GLANDS DURING FASTING IN MAN. Benson JW Jr, Buja ML, Thompson RH, Gordon RS Jr *J Invest Dermatol* 63: 287-91, Sep 74 (Eng)

Bulkley RJ

EFFECT OF A LOW DOSE OF ALLOXAN ON BLOOD GLUCOSE, ISLET BETA CELL GRANULATION, BODY WEIGHT, AND INSULIN RESISTANCE OF OB/OB MICE. Solomon J, Bulkley RJ, Mayer J *Diabetologia* 10: 709-15, Dec 74 (Eng)

Bulmer GS

THE ANTIFUNGAL ACTIVITY OF NORMAL AND HOST-COMPROMISED SALIVA ON SPACEFLIGHT FUNGAL PHENOTYPES. Dublin M, Volz PA, Bulmer GS *Mycopathol Mycol Appl* 54: 499-516, 18 Dec 74 (Eng)

Buntrock P

[BEHAVIOR OF THE FATTY ACID PATTERN OF TRIGLYCERIDES IN LIVER PARENCHYMA AND DEPOT FATS IN DIABETIC PATIENTS IN RELATION TO FATTY LIVER] Singer P, Gnauck G, Thoele H, Honigsmann G, Buntrock P, Kettler LH *Dtsch Z Verdau Stoffwechselkr* 34: 27-35, 1974 (Ger)

Burgess JA

FULMINANT ONSET OF DIABETES MELLITUS DURING AN ATTACK OF INFECTIOUS MONONUCLEOSIS. Burgess JA, Kirkpatrick KL, Menser MA *Med J Aust* 2: 706-7, 9 Nov 74 (Eng)
ACUTE DISEASE; ADULT; CASE REPORT; DIABETES MELLITUS (etiology); FEMALE; HUMAN; INFECTIOUS MONONUCLEOSIS (complications).

Burman KD

WHATS NEW FOR DIABETES Burman KD *Med Times* 103: 123-4, 126, 128 *passim*, Jan 75 (Eng)
ADOLESCENCE; ADULT; AGED; DIABETES MELLITUS (therapy); FEMALE; GLUCAGON (secretion); GLUCOSE (urine); HUMAN; INSULIN (therapeutic use); MALE; MIDDLE AGE; OBESITY (prevention & control); TOLBUTAMIDE (therapeutic use).

Burston D

COMPETITION BETWEEN CARNOSINE AND OTHER PEPTIDES FOR TRANSPORT BY HAMSTER JEJUNUM IN VITRO. Addison JM, Matthews DM, Burston D *Clin Sci Mol Med* 46: 707-14, Jun 74 (Eng)

Burtis CA

OPTIMIZATION AND ANALYTICAL APPLICATIONS OF THE TECHNIQUE DYNAMIC INTRODUCTION OF LIQUIDS INTO CENTRIFUGAL ANALYZERS. Burtis CA, Johnson WF, Overton JB, Tiffany TO, Mailen JC *Clin Chem* 20: 932-41, Aug 74 (Eng)
CHEMISTRY, CLINICAL (instrumentation); CENTRIFUGATION (instrumentation); AUTOANALYSIS (instrumentation); MICROCHEMISTRY; SPECIMEN HANDLING (instrumentation); SYRINGES; INDICATORS AND REAGENTS; COMPUTERS, DIGITAL; BLOOD SUGAR; TRIGLYCERIDES (blood); ALKALINE PHOSPHATASE (blood); LACTATE DEHYDROGENASE (blood); ASPARTATE AMINOTRANSFERASE (blood); FREEZING; ANALYSIS OF VARIANCE; METHODS.

Bussolati G

IMMUNOFLUORESCENCE, HISTOCHEMICAL AND ULTRASTRUCTURAL STUDIES FOR THE DETECTION OF MULTIPLE ENDOCRINE POLYPEPTIDE TUMOURS OF THE PANCREAS. Bordin C, Bussolati G *Virchows Arch [Zellpathol]* 17: 13-27, 1974 (Eng)

Campbell D

LETTER: THERAPY OF LACTIC ACIDOSIS. Freeman H, Campbell D *N Engl J Med* 292: 263-4, 30 Jan 75 (Eng)

Camunez Benjumea F

[HEPATIC CIRRHOSIS (NON HEMOCHROMATOSIC), DIABETES MELLITUS. II. INCIDENCE OF CHEMICAL DIABETES IN A GROUP OF 106 CIRRHOTIC PATIENTS] Cerdan Vallejo A, Martin Zurro A, Camunez Benjumea F, Ortiz Vazquez J *Rev Clin Esp* 134: 355-62, 31 Aug 74 (Spa)

Cannata JJ

PROCEEDINGS: REGULATION OF GLUCONEOGENESIS IN *BACILLUS STEAROTHERMOPHILUS*. Amils R, Cannata JJ *Acta Physiol Lat Am* 23: 569-71, 1973 (Eng)

Capito K

THE EFFECT OF STARVATION ON INSULIN SECRETION AND GLUCOSE METABOLISM IN MOUSE PANCREATIC ISLETS. Hedeskov CJ, Capito K *Biochem J* 140: 423-33, Jun 74 (Eng)

Cappelli-Gotzot B

[BIOCHEMICAL DIFFERENCES BETWEEN AN ELASTIC ARTERY AND A MUSCULAR ARTERY IN CATTLE] Laszlo M, Cappelli-Gotzot B, Conti G *Biochimie* 56: 459-64, 1974 (Fre)

Carey RA

A SUBMAXIMAL TEST FOR DOGS: EVALUATION OF EFFECTS OF TRAINING, DETRAINING, AND CAGE CONFINEMENT. Tipton CM, Carey RA, Eastin WC, Erickson HH *J Appl Physiol* 37: 271-5, Aug 74 (Eng)

Carone FA

THE NATURE OF D-SERINE-INDUCED NEPHROTOXICITY. Ganote CE, Peterson DR, Carone FA *Am J Pathol* 77: 269-82, Nov 74 (Eng)

Carre A

[METABOLISM OF THE MYOCARDIUM IN MAN] Bertrand ME, Carre A, Ginestet A, Warembourg H *Arch Mal Coeur* 67: 409-11, Apr 74 (Fre)

Carvo M

HEPATIC MICROSOMAL MEMBRANE: ACTIVATION OF GLUCOSE-6-PHOSPHATASE. Carvo M, Maddaiah VT, Collipp PJ, Chen SY *FEBS Lett* 39: 102-4, 1 Feb 74 (Eng)
RATS; ANIMAL EXPERIMENTS; GLUCOSEPHOSPHATASE (metabolism, antagonists & inhibitors); MICROSOMES, LIVER (enzymology, drug effects); PYRIDOXAL PHOSPHATE (pharmacodynamics); AMMONIA (pharmacodynamics); KINETICS; ENZYME ACTIVATION; TIME FACTORS.

Cassel JC

MEDICATION USE AND MISUSE: PHYSICIAN-PATIENT DISCREPANCIES. Hulka BS, Kupper LL, Cassel JC, Efrid RL *J Chronic Dis* 28: 7-21, Jan 75 (Eng)

Cathelineau G

[LETTER: FALL IN PLASMA TESTOSTERONE LEVELS DURING ORAL GLUCOSE TOLERANCE TEST] Cathelineau G, Roger M, Soldat MC *Nouv Presse Med* 3: 2109, 5 Oct 74 (Fre)
DIABETES MELLITUS (metabolism); GLUCOSE TOLERANCE TEST; HUMAN; LH (blood); TESTOSTERONE (blood).

[PERIODIC HOSPITALIZATION OF PATIENTS WITH VASCULAR AND/OR METABOLIC HAZARDS] Lesobre B, Cathelineau G *Nouv Presse Med* 3: 2510-1, 9-23 Nov 74 (Fre)

Cerasi E

TRAUMA: HORMONAL FACTORS WITH SPECIAL REFERENCE TO DIABETES MELLITUS. Efendic S, Cerasi E, Luft R *Acta Anaesthesiol Scand [Suppl]* 107-19, 1974 (Eng)

Cerceo E

POWER-PILOT SYSTEM TO EVALUATE RADIOIMMUNOASSAYS. Cerceo E *Lab Pract* 23: 625-9, Nov 74 (Eng)
EVALUATION STUDIES; HORMONES (analysis); INSULIN (analysis); RADIOIMMUNOASSAY (standards); STEROIDS (analysis).

Cerdan Vallejo A

[HEPATIC CIRRHOSIS (NON HEMOCHROMATOSIC), DIABETES MELLITUS, II. INCIDENCE OF CHEMICAL DIABETES IN A GROUP OF 106 CIRRHOTIC PATIENTS] Cerdan Vallejo A, Martin Zurro A, Camunez Benjumea F, Ortiz Vazquez J *Rev Clin Esp* 134: 355-62, 31 Aug 74 (Spa)

ADULT; AGED; DIABETES MELLITUS (etiology, chemically induced); FEMALE; GLUCOSE TOLERANCE TEST; HUMAN; LIVER CIRRHOSIS (complications); MALE; MIDDLE AGE.

Cernacek P

[GLYCIDE METABOLISM DISORDER IN RENAL FAILURE, THERAPEUTIC SEQUELAE] Dzurik R, Cernacek P *Vnitr Lek* 21: 22-7, Jan 75 (Slo)

Chadwich DP

MODIFICATION OF SOME OF THE TOXIC EFFECTS OF DAUNOMYCIN (NSC-82,151) BY PRETREATMENT WITH THE ANTINEOPLASTIC AGENT ICRF 159 (NSC-129,943). Herman EH, Mhatre RM, Chadwich DP *Toxicol Appl Pharmacol* 27: 517-26, Mar 74 (Eng)

Chaiton A

LETTER: PAINFUL SHOULDER SYNDROME. Chaiton A *Can Med Assoc J* 111: 1299, 21 Dec 74 (Eng)
DIABETES MELLITUS (complications); HUMAN; PAIN (complications); SHOULDER.

Chakrin LW

GLYCOSYLTRANSFERASES IN CANINE RESPIRATORY TISSUE. ALTERATIONS IN AN EXPERIMENTALLY INDUCED HYPERSECRETORY STATE. Baker AP, Chakrin LW, Sawyer JL, Munro JR, Hillegass LM, Giannone E *Biochem Med* 10: 387-99, Aug 74 (Eng)

Chambaut AM

THE CALCIUM IONOPHORE A 23 187 AS A PROBE FOR STUDYING THE ROLE OF CA²⁺ IONS IN THE MEDIATION OF CARBACHOL EFFECTS ON RAT SALIVARY GLANDS: PROTEIN SECRETION AND METABOLISM OF PHOSPHOLIPIDS AND GLYCOGEN. Rossignol B, Herman G, Chambaut AM, Keryer G *FEBS Lett* 43: 241-6, 15 Jul 74 (Eng)

Champion S

EXISTENCE OF TWO POOLS OF PROSTAGLANDINS DURING STIMULATION OF THE THYROID BY TSH. Haye B, Champion S, Jacquemin C *FEBS Lett* 41: 89-93, 15 Apr 74 (Eng)

Chan KM

PROCEEDINGS: INSULIN AND TESTOSTERONE RESPONSES IN CULTURED PROSTATE. Fuller DJ, Coleshill SM, Chan KM, Thomas GH *J Endocrinol* 63: 59p, Nov 74 (Eng)

Chapman BE

BINDING OF MNADP-TO PHOSPHOGLYCERATE KINASE. Chapman BE, Sullivan WJ, Scopes RK, Reed GH *FEBS Lett* 41: 189-91, 1 May 74 (Eng)
COMPARATIVE STUDY; MANGANESE; ADENOSINE DIPHOSPHATE; PHOSPHOGLYCERATE KINASE (metabolism); PROTEIN BINDING; BINDING SITES; KINETICS; SACCHAROMYCES CEREVISIAE (enzymology); INOSINE NUCLEOTIDES; ADENOSINE TRIPHOSPHATE; STRUCTURE-ACTIVITY RELATIONSHIP; TEMPERATURE.

Chapman JB

ENERGY SOURCES OF CARDIAC CONTRACTION. Chapman JB *Adv Cardiol* 12: 128-38, 1974 (Eng)
RABBITS; ANIMAL EXPERIMENTS; IN VITRO; PAPILLARY MUSCLES (metabolism); NAD (metabolism); SPECTROMETRY; FLUORESCENCE; GLUCOSE (metabolism); PYRUVATES (metabolism); ENERGY METABOLISM.

Chappelet-Tordo D

INTESTINAL ALKALINE PHOSPHATASE. PHYSICAL PROPERTIES AND QUATERNARY STRUCTURE. Fosset M, Chappelet-Tordo D, Lazdunski M *Biochemistry* 13: 1783-8, 23 Apr 74 (Eng)

Charpin J

[LETTER: STEROID-INDUCED DIABETES] Charpin J, Aubert J, Pelleray F, Vague P *Nouv Presse Med* 3: 1960, 21 Sep 74 (Fre)
ADRENAL CORTX HORMONES (adverse effects, therapeutic use); ADULT; AGE FACTORS; CARDIOVASCULAR DISEASES (etiology); DIABETES MELLITUS (chemically induced); DIABETIC NEPHROPATHIES (chemically induced); DIABETIC RETINOPATHY (chemically induced); GENETICS; HUMAN; HUMAN; LONG TERM CARE; MIDDLE AGE.

Charvat AJ

[CONCEPT OF METABOLIC DEVIATIONS] Charvat AJ *Vnitr Lek* 21: 1-5, Jan 75 (Cze)
DIABETES MELLITUS (metabolism); ENERGY METABOLISM; ENGLISH ABSTRACT; FEEDBACK; HUMAN; LIVER CIRRHOSIS (metabolism); PROTAGLANDINS (metabolism); QUANTUM THEORY.

Chaussain JL

[SOMATOMEDIN ACTIVITY OF THE SERUM IN THE NORMAL CHILD AND IN HYPOPITUITARISM] Binet E, Schlumberger A, Chaussain JL, Job JC *Arch Fr Pediatr* 31: 339-46, Apr 74 (Fre)

Chawla LS

DIABETIC NEUROPATHY IN INDIA. Chhuttani PN, Chawla LS *Indian J Med Res* 62: 99-109, Jan 74 (Eng)

Chen SG

[SIDE EFFECTS OF THE HYPOGLYCEMIC AGENTS (AUTHORS TRANSL)] Chen SG *J Nurs (Taipei)* 21: 23-4, Jul 74 (Chi)
ANTIDIABETICS (adverse effects); HUMAN; SPECIAL LIST NURSING.

Chen SY

HEPATIC MICROSOMAL MEMBRANE: ACTIVATION OF GLUCOSE-6-PHOSPHATASE. Carvo M, Maddaiah VT, Collipp PJ, Chen SY *FEBS Lett* 39: 102-4, 1 Feb 74 (Eng)

Cheraskin E

DRY SOCKET AND DYSGLYCEMIA. Ringsdorf WM Jr, Cheraskin E *J Dent Res* 54: 184, Jan-Feb 75 (Eng)

Chermenskaia IE

[STUDY OF SUGARS AND CARBOHYDRATE METABOLISM ENZYMES IN RHIZOBIUM LUPINI IN SYMBIOSIS] Petrova AN, Chermenskaia IE, Kretovich VL *Dokl Akad Nauk SSSR* 217: 479-80, 11 Jul 74 (Rus)

Chevan J

[SPEED OF IRREVERSIBLE IN VIVO DEGRADATION OF FREE L-ISOLEUCINE. EFFECT OF GROWTH HORMONE] Wellers G, Chevan J *C R Acad Sci [D]* (Paris) 277: 2735-8, 17 Dec 74 (Fre)

Diabetes Literature—Author Index

Chevan J

Chhuttani PN

DIABETIC NEUROPATHY IN INDIA. Chhuttani PN, Chawla LS *Indian J Med Res* 62: 99-109, Jan 74 (Eng)

ADOLESCENCE; ADULT; AGED; CHILD; DIABETIC NEUROPATHIES (occurrence, diagnosis, pathology, mortality); ELECTROCARDIOGRAPHY; FEMALE; FOLLOW-UP STUDIES; HUMAN; INDIA; MALE; MIDDLE AGE; PERIPHERAL NERVES (pathology).

Chisholm IH

APHAKIC MACULAR EDEMA: INCIDENCE AND PATHOGENESIS. Hitchings RA, Chisholm IH, Bird AC *Invest Ophthalmol* 14: 68-72, Jan 75 (Eng)

Chmelar M

HETEROGENEITY OF TRIGLYCERIDE LIPASE OF RAT ADIPOCYTES. COMPARISON OF TRIGLYCERIDE AND MONOGLYCERIDE LIPASE ACTIVITIES IN SOLUBLE AND PARTICULATE FRACTIONS. Chmelarova M, Chmelar M *Eur J Biochem* 44: 235-42, 2 May 74 (Eng)

Chmelarova M

HETEROGENEITY OF TRIGLYCERIDE LIPASE OF RAT ADIPOCYTES. COMPARISON OF TRIGLYCERIDE AND MONOGLYCERIDE LIPASE ACTIVITIES IN SOLUBLE AND PARTICULATE FRACTIONS. Chmelarova M, Chmelar M *Eur J Biochem* 44: 235-42, 2 May 74 (Eng)

RATS; ANIMAL EXPERIMENTS; MALE; COMPARATIVE STUDY; ADIPOSE TISSUE (enzymology); LIPASE (analysis, metabolism, antagonists & inhibitors); TRIGLYCERIDES; CELL FRACTIONATION; TRIOLEIN (metabolism); GLYCERIDES; FATTY ACIDS; NAPHTHOLS; DIOXINS (pharmacodynamics); GLYCOLS (pharmacodynamics); SURFACE-ACTIVE AGENTS (pharmacodynamics); ALCOHOL, PROPYL (pharmacodynamics); LANTHANUM (pharmacodynamics); ELECTROPHORESIS, STARCH GEL; ESTERS; HYDROGEN-ION CONCENTRATION; HYDROLYSIS; HEAT.

Chmielewski J

[INFLUENCE OF STYRENE ON CARBOHYDRATE BALANCE (AUTHORS TRANSL)] Chmielewski J, Mikulski P *Rocz Pomor Akad Med suppl* 10: 321-4, 1974 (Pol)

BLOOD SUGAR (analysis); ENGLISH ABSTRACT; ENVIRONMENTAL EXPOSURE; GLUCOSE TOLERANCE TEST; HUMAN; INDUSTRIAL MEDICINE; STYRENES (adverse effects).

Chretien M

LIPOTROPIC AND ADRENOCORTICOTROPIC HORMONES. BIOLOGICAL ACTIVITIES OF THE CARBOXYL-MODIFIED HORMONES. Gilardeau C, Chretien M, Lis M *Can J Physiol Pharmacol* 52: 723-6, Jun 74 (Eng)

[IN VITRO BIOSYNTHESIS OF BOVINE BETA-LIPOTROPIC HORMONE] Bertagna X, Lis M, Gilardeau C, Chretien M *Can J Biochem* 52: 349-58, May 74 (Fre)

Christensen HN

COMPLEXITY IN VALINOMYCIN EFFECTS ON AMINO ACID TRANSPORT. De Cespedes C, Christensen HN *Biochim Biophys Acta* 339: 139-45, 26 Feb 74 (Eng)

Christensen NJ

GLUCAGON AND PLASMA CATECHOLAMINE RESPONSES TO GRADED AND PROLONGED EXERCISE IN MAN. Galbo H, Holst JJ, Christensen NJ *J Appl Physiol* 38: 70-6, Jun 75 (Eng)

Christophe J

[STIMULATION OF CYCLIC AMP AND CYCLIC GMP IN RAT PANCREAS STIMULATED BY GASTRO-INTESTINAL HORMONES IN VIVO AND IN VITRO] Deschodt-Lancman M, Robberecht P, De Neef P, Christophe J *Arch Int Physiol Biochim* 82: 180, Feb 74 (Fre)

Chung CS

RACIAL VARIATION IN DIABETES MELLITUS IN JAPANESE AND CAUCASIANS LIVING IN HAWAII. Goodman MJ, Chung CS, Gilbert F *J Med Genet* 11: 328-34, Dec 74 (Eng)

Cicmanec JF

BIOTIN UPTAKE BY COLD-SHOCKED CELLS, SPHEROPLASTS, AND REPRESSED CELLS OF SACCHAROMYCES CEREVISIAE: LACK OF FEEDBACK CONTROL. Cicmanec JF, Lichstein HC *J Bacteriol* 119: 718-25, Sep 74 (Eng)

SACCHAROMYCES CEREVISIAE (metabolism); BIOTIN (metabolism); COLD; SPHEROPLASTS (metabolism); BIOLOGICAL TRANSPORT, ACTIVE; FEEDBACK; OSMOSIS; GLUCOSE (metabolism); CARBON RADIOISOTOPES; LYSINE (metabolism); FUNGAL PROTEINS (biosynthesis); MERCAPTOETHANOL (pharmacodynamics); CYCLOHEXIMIDE (pharmacodynamics); MICROPORE FILTERS; TIME FACTORS.

Clark ML

FUNCTIONAL DIFFERENTIATION OF HUMAN JEJUNUM AND ILEUM: A COMPARISON OF THE HANDLING OF GLUCOSE, PEPTIDES, AND AMINO ACIDS. Silk DB, Webb JP, Lane AE, Clark ML, Dawson AM *Gut* 15: 444-9, Jun 74 (Eng)

Clarke PV

MODE OF INSULIN ACTION. Kissebah AH, Tulloch BR, Hope-Gill H, Clarke PV, Vydelingum N, Fraser TR *Lancet* 1: 144-7, 18 Jan 75 (Eng)

Cleave TL

THE SACCHARINE DISEASE. Cleave TL *Nurs Times* 70: 1274-5, 15 Aug 74 (Eng)

HUMAN; DIETARY CARBOHYDRATES (adverse effects); FOOD-PROCESSING INDUSTRY; DIET.

Cocchi D

CENTRAL HYPOTHERMIA BY 2-DEOXY-D-GLUCOSE: ANTAGONISM BY ALPHA-ADRENERGIC ACTIVATION. Muller EE, Cocchi D, Jalarbo H, Udeschini G, Peruzzi G, Mantegazza P *Eur J Pharmacol* 26: 243-55, May 74 (Eng)

Cocquet M

[ULTRASTRUCTURAL STUDY OF PHERIPHERAL NERVE IN 16 DIABETICS WITHOUT NEUROPATHY. COMPARISONS WITH 16 DIABETIC NEUROPATHIES AND 16 NON-DIABETIC NEUROPATHIES (AUTHORS TRANSL)] Vital C, Le Blanc M, Vallat JM, Cocquet M, Vallat M, Roques JC *Acta Neuropathol (Berl)* 30: 63-72, 1974 (Fre)

Coe JJ

POSTMORTEM CHEMISTRIES ON BLOOD WITH PARTICULAR REFERENCE TO UREA NITROGEN, ELECTROLYTES, AND BILIRUBIN. Coe JJ *J Forensic Sci* 19: 33-42, Jan 74 (Eng)

HUMAN; COMPARATIVE STUDY; POSTMORTEM CHANGES; FORENSIC MEDICINE; BLOOD UREA NITROGEN; ELECTROLYTES (blood); BILIRUBIN (blood); TIME FACTORS; BLOOD GAS ANALYSIS; ALKALINE PHOSPHATASE (blood); AUTOANALYSIS; CALCIUM (blood); SODIUM (blood); CHLORIDES (blood); BLOOD PROTEINS (analysis); POTASSIUM (blood);

ASPARTATE AMINOTRANSFERASE (blood); BLOOD SUGAR (analysis).

Cohen GN

AMINO ACID METABOLISM. Truffa-Bachi P, Cohen GN *Annu Rev Biochem* 42: 113-34, 1973 (Eng) [137]

Cohen J

[BIRTH CONTROL METHODS IN PSYCHIATRY] Audebert A, Emperaire JC, Cohen J, Bourgeois M *Ann Med Psychol (Paris)* 2: 92-127, Jun 74 (Fre)

Coleman TJ

THE DEVELOPMENT OF DIABETES FOLLOWING COXSACKIE B VIRUS INFECTION IN MICE. Coleman TJ, Taylor KW, Gamble DR *Diabetologia* 10: 755-9, Dec 74 (Eng)

ANIMAL EXPERIMENTS; BLOOD SUGAR (analysis); BODY WEIGHT; COXSACKIE VIRUS INFECTIONS (complications); DIABETES MELLITUS (microbiology, urine, etiology); GLUCOSE TOLERANCE TEST; INSULIN (blood, secretion); ISLANDS OF LANGERHANS (pathology); MALE; MICE, INBRED STRAINS; PANCREAS (pathology).

Coleshill SM

PROCEEDINGS: INSULIN AND TESTOSTERONE RESPONSES IN CULTURED PROSTATE. Fuller DJ, Coleshill SM, Chan KM, Thomas GH *J Endocrinol* 63: 59p, Nov 74 (Eng)

Collard F

[COMPARATIVE STUDY OF 2 METHODS OF PLASMA INSULIN RADIOIMMUNOASSAY. DOUBLE ANTIBODY AND SOLID PHASE METHODS] Orsetti A, Collard F *Pathol Biol (Paris)* 22: 771-3, Nov 74 (Fre)

Collipp PJ

HEPATIC MICROSOMAL MEMBRANE: ACTIVATION OF GLUCOSE-6-PHOSPHATASE. Carvo M, Maddaiah VT, Collipp PJ, Chen SY *FEBS Lett* 39: 102-4, 1 Feb 74 (Eng)

Combaz M

[CHRONIC MYELOID LEUKEMIA IN A 35 YEAR OLD PETROLEUM CHEMIST, HANDLING BENZENE SINCE THE AGE OF 18 YEARS] Liaudet J, Combaz M *Eur J Toxicol* 6: 309-13, Nov-Dec 73 (Fre)

Connelly PE

DIABETES MELLITUS--A MEMBRANE RECEPTOR DEFECT. Connelly PE, Turtle JR *Aust NZ J Med* 4: 228-36, Jun 74 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ANIMAL EXPERIMENTS; BASEMENT MEMBRANE (pathology); DIABETES MELLITUS (etiology, blood, immunology, pathology, physiopathology); DOGS; GASTROINTESTINAL HORMONES (pharmacodynamics); GLUCAGON (pharmacodynamics); GLUCOSE (pharmacodynamics); HUMAN; INSULIN ANTIBODIES; INSULIN (blood, antagonists & inhibitors, secretion); ISLANDS OF LANGERHANS (physiopathology, metabolism); RECEPTORS, DRUG; RECEPTORS, HORMONE; TOLBUTAMIDE (pharmacodynamics).

Conrad R

DIFFERENT PATHWAYS FOR FRUCTOSE AND GLUCOSE UTILIZATION IN RHODOPSEUDOMONAS CAPSULATA AND DEMONSTRATION OF I-PHOSPHOFRUCTOKINASE IN PHOTOTROPHIC BACTERIA. Conrad R, Schlegel HG *Biochim Biophys Acta* 358: 221-5, 17 Jul 74 (Eng)

FRUCTOSE (metabolism); GLUCOSE (metabolism); RHODOPSEUDOMONAS

Diabetes Literature—Author Index

Dacou-Voutetakis C

(metabolism, enzymology);
PHOSPHOFRUCTOKINASE (metabolism);
RHODOSPIRILLUM (enzymology);
CHROMATIUM (enzymology); ULTRASONICS;
GEL FILTRATION; FRUCTOSEPHOSPHATES
(metabolism); MALATES (metabolism);
ENZYME INDUCTION; CULTURE MEDIA;
OXYGEN.

Constantinidis M

DEFECTIVE GROWTH HORMONE SECRETION IN PRIMARY MICROCEPHALY. Dacou-Voutetakis C, Karpathios T, Logothetis N, Constantinidis M, Matsaniotis N, Michalopoulou E *J Pediatr* 85: 498-502, Oct 74 (Eng)

Conti G

[BIOCHEMICAL DIFFERENCES BETWEEN AN ELASTIC ARTERY AND A MUSCULAR ARTERY IN CATTLE] Laszlo M, Cappelli-Gotz B, Conti G *Biochimie* 56: 459-64, 1974 (Fre)

Conway M

DECREASED GLUCAGON ACTIVITY: A MECHANISM FOR GENETIC AND ACQUIRED ENDOGENOUS HYPERLIPAEMIA. Eaton RP, Schade DS, Conway M *Lancet* 2: 1545-7, 28 Dec 74 (Eng)

Cooke BA

THE ROLE OF CYCLIC AMP IN THE REGULATION OF STEROID BIOSYNTHESIS IN TESTIS TISSUE. Rommerts FF, Cooke BA, Molen HJ van der *J Steroid Biochem* 5: 279-85, May 74 (Eng) [94]

Cooper JM

OXYTOCIN CHALLENGE TEST IN MONITORING HIGH-RISK PREGNANCIES. Cooper JM, Soffronoff EC, Bolognese RJ *Obstet Gynecol* 45: 27-33, Jan 75 (Eng)

APGAR SCORE; BIRTH WEIGHT; DELIVERY; ESTRIOL (urine); FEMALE; FETAL DISEASES (diagnosis); FETAL HEART (physiopathology); GESTATIONAL AGE; HEART RATE; HUMAN; HYPERTENSION (complications); INFANT, NEWBORN; OXYTOCIN (diagnostic use); PLACENTA DISORDERS (diagnosis); PRE-ECLAMPSIA (complications); PREGNANCY IN DIABETES (complications); PREGNANCY COMPLICATIONS, CARDIOVASCULAR; PREGNANCY; PREGNANCY, PROLONGED; PRENATAL DIAGNOSIS.

Coraboeuf E

INFLUENCE OF INSULIN ON SENSITIVITY TO TETRODOTOXIN OF ISOLATED CHICK EMBRYO HEART CELLS IN CULTURE. Le Douarin G, Renaud JF, Renaud D, Coraboeuf E *J Mol Cell Cardiol* 6: 523-9, Dec 74 (Eng)

Corbin A

LETTER: MANAGEMENT OF LIPOATROPHIC DIABETES. Upton GV, Corbin A, Mabry CC, Hollingsworth DR *N Engl J Med* 292: 592, 13 Mar 75 (Eng)

Cornblath M

GLYCEROL INTOLERANCE IN A CHILD WITH INTERMITTENT HYPOGLYCEMIA. Maclaren NK, Cowles C, Ozand PT, Shuttee R, Cornblath M *J Pediatr* 86: 43-9, Jan 75 (Eng)

Coronado M

[TOTAL BODY FAT. ANTHROPOMETRIC EVALUATION (AUTHORS TRANSL)] Arroyo P, Coronado M, Quiroz SE *Rev Invest Clin* 26: 103-10, Apr-Jun 74 (Spa)

Corrieu G

A GENERALIZED MATHEMATICAL MODEL FOR THE GROWTH KINETICS OF SACCHAROMYCES CEREVISIAE WITH EXPERIMENTAL DETERMINATION OF

PARAMETERS. Peringer P, Blachere H, Corrieu G, Lane AG *Biotechnol Bioeng* 16: 431-54, Apr 74 (Eng)

Costa S

[GLUCAGON AND FUNCTION OF THE HYPOTHALAMO-HYPOPHYSAL-ADRENOCORTICAL SYSTEM IN HUMANS] Balestreri R, Bertolini S, Elicio N, Costa S *Boll Soc Ital Biol Sper* 50: 417-23, 15 Apr 74 (Ita)

Counahan R

OCULAR AND FINGERTIP ABNORMALITIES IN ISOLATED GLUCOCORTICOID DEFICIENCY. Counahan R, West R *J Pediatr* 85: 580-1, Oct 74 (Eng)

ACETATES (therapeutic use); CHILD, PRESCHOOL; CONVULSIONS (drug therapy); CORTISONE (therapeutic use); DERMATOGLYPHICS; FINGERS (abnormalities); GLUCOCORTICOIDS (deficiency); HUMAN; HYPOGLYCEMIA (drug therapy); LACRIMAL APPARATUS (abnormalities); MALE; METHYLCELLULOSE (administration & dosage); OPHTHALMIC SOLUTIONS; PIGMENTATION DISORDERS (drug therapy); SYNDROME.

Court JM

PLASMA LIPID VALUES IN CHILDHOOD OBESITY. Court JM, Dunlop M, Leonard RF *Gastrointest Endosc* 21: 10-4, Aug 74 (Eng)

CHILD, PRESCHOOL; CHILD; ADOLESCENCE; HUMAN; MALE; FEMALE; OBESITY (blood, complications); CHOLESTEROL (blood); TRIGLYCERIDES (blood); HYPERLIPIDEMIA, ESSENTIAL FAMILIAL (complications).

Cowles C

GLYCEROL INTOLERANCE IN A CHILD WITH INTERMITTENT HYPOGLYCEMIA. Maclaren NK, Cowles C, Ozand PT, Shuttee R, Cornblath M *J Pediatr* 86: 43-9, Jan 75 (Eng)

Coy DH

LONG-TERM INFUSION OF GROWTH HORMONE RELEASE INHIBITING HORMONE IN ACROMEGALY: EFFECTS ON PITUITARY AND PANCREATIC HORMONES. Besser GM, Mortimer CH, McNeilly AS, Thorner MO, Batistoni GA, Bloom SR, Kastrup KW, Hanssen KF, Hall R, Coy DH, Kastin AJ, Schally AV *Br Med J* 4: 622-7, 14 Dec 74 (Eng)

Creutzfeldt C

PATHOMORPHOLOGIC, BIOCHEMICAL, AND DIAGNOSTIC ASPECTS OF GASTRINOMAS (ZOLLINGER-ELLISON SYNDROME). Creutzfeldt W, Arnold R, Creutzfeldt C, Track NS *Hum Pathol* 6: 47-76, Jan 75 (Eng)

Creutzfeldt W

PATHOMORPHOLOGIC, BIOCHEMICAL, AND DIAGNOSTIC ASPECTS OF GASTRINOMAS (ZOLLINGER-ELLISON SYNDROME). Creutzfeldt W, Arnold R, Creutzfeldt C, Track NS *Hum Pathol* 6: 47-76, Jan 75 (Eng)

ANTIGENS, NEOPLASM (analysis); CALCIUM (diagnostic use); DUODENAL NEOPLASMS (pathology, diagnosis, analysis); EATING; GASTRIN (immunology, blood, analysis); GEL FILTRATION; GLUCAGON (diagnostic use, analysis); HUMAN; IMMUNE SERUMS; INSULIN (analysis, immunology); INTESTINAL MUCOSA (pathology); ISLANDS OF LANGERHANS (pathology); LYMPHATIC METASTASIS; MICROCOSCOPY, ELECTRON; NEOPLASM METASTASIS; PANCREATIC NEOPLASMS (pathology, diagnosis, analysis); RADIOIMMUNOASSAY; SECRETIN (diagnostic use); STAINS AND STAINING; ZOLLINGER-ELLISON SYNDROME (pathology, diagnosis, analysis).

Crosby C

REGULATION OF METABOLIC TRANSPORT IN RAT AND GUINEA PIG LIVER MITOCHONDRIA BY LONG CHAIN FATTY ACYL COENZYME A ESTERS. Shrago E, Shug A, Elson C, Spennetta T, Crosby C *J Biol Chem* 249: 5269-74, 25 Aug 74 (Eng)

Cryer A

EFFECTS OF FRUCTOSE, SUCROSE AND GLUCOSE FEEDING ON PLASMA INSULIN CONCENTRATIONS AND ON ADIPOSE-TISSUE CLEARING-FACTOR LIPIASE ACTIVITY IN THE RAT. Cryer A, Riley SE, Williams ER, Robinson DS *Biochem J* 140: 561-63, Jun 74 (Eng)

ADIPOSE TISSUE (enzymology); ANIMAL EXPERIMENTS; CENTRIFUGATION; DIETARY CARBOHYDRATES (metabolism); FRUCTOSE (metabolism, blood); GLUCOSE (metabolism, blood); IMMUNOASSAY; INSULIN (blood, secretion); LIPOPROTEIN LIPIASE (metabolism, blood); MALE; RATS; STARVATION; SUCROSE (metabolism); TRIGLYCERIDES (blood).

Cser A

METABOLIC AND HORMONAL CHANGES DURING AND AFTER EXCHANGE TRANSFUSION WITH HEPARINIZED OR ACID BLOOD. Cser A *Arch Dis Child* 49: 940-5, Dec 74 (Eng)

BILIRUBIN (metabolism); BIRTH WEIGHT; BLOOD SUGAR (metabolism); CITRATES (pharmacodynamics); EXCHANGE TRANSFUSION; FATTY ACIDS, NONESTERIFIED (blood); FEMALE; GESTATIONAL AGE; GLUCOSE (pharmacodynamics); HEPARIN (pharmacodynamics); HUMAN; HYPERBILIRUBINEMIA (therapy); INFANT, NEWBORN; INSULIN (blood); MALE; SOMATOTROPIN (blood); TIME FACTORS.

Cuatrecasas P

BINDING OF INSULIN AND OTHER HORMONES TO NON-RECEPTOR MATERIALS: SATURABILITY, SPECIFICITY AND APPARENT NEGATIVE COOPERATIVITY. Cuatrecasas P, Hollenberg MD *Biochem Biophys Res Commun* 62: 31-41, 6 Jan 75 (Eng)

BINDING SITES; GLASS; HORMONES (metabolism); INSULIN (metabolism); KINETICS; PROTEIN BINDING; RECEPTORS, HORMONE; SILICA; SWINE; TALC; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Cullen MJ

THE DIAGNOSTIC VALUE OF RADIOIMMUNOASSAY IN CLINICAL MEDICINE. Cullen MJ *Ir J Med Sci* 0: suppl046-9, Jul 74 (Eng)

HUMAN; MALE; FEMALE; RADIOIMMUNOASSAY; SOMATOTROPIN (blood); LH (blood); THYROXINE (blood).

Currie BL

PURIFICATION OF A PROLACTIN INHIBITING HORMONE AND THE REVEALING OF HORMONE D-GHIH WHICH INHIBITS THE RELEASE OF GROWTH HORMONE. Greibrokk T, Currie BL, Johansson NK, Hansen JJ, Folkers K *Biochem Biophys Res Commun* 59: 704-9, 24 Jul 74 (Eng)

Cushley RJ

CARBON-13 FOURIER TRANSFORM NUCLEAR MAGNETIC RESONANCE. 8. ROLE OF STERIC AND ELECTRIC FIELD EFFECTS IN FATTY ACID SPECTRA. Batchelor JG, Cushley RJ, Prestegard JH *J Org Chem* 39: 1698-1705, 14 Jun 74 (Eng)

Dacou-Voutetakis C

DEFECTIVE GROWTH HORMONE SECRETION IN PRIMARY MICROCEPHALY.

Diabetes Literature—Author Index

Dahl JL

Dacou-Voutetakis C, Karpachios T, Logothetis N, Constantinidis M, Matsaniotis N, Michalopoulos E *J Pediatr* 85: 498-502, Oct 74 (Eng)

CHILD; CIRCADIAN RHYTHM; CLINICAL RESEARCH; FEMALE; GLUCOSE (diagnostic use); GROWTH DISORDERS (etiology); HUMAN; INSULIN (diagnostic use); IODINE RADIOISOTOPES; MALE; MICROCEPHALY (physiopathology, complications); PITUITARY GLAND (physiopathology); SOMATOTROPIN (deficiency, secretion, blood).

MACROGLOSSIA, TRANSIENT NEONATAL DIABETES MELLITUS AND INTRAUTERINE GROWTH FAILURE: A NEW DISTINCT ENTITY Dacou-Voutetakis C, Anagnostakis D, Xanthou M *Pediatrics* 55: 127-31, Jan 75 (Eng)
BLOOD SUGAR (analysis); DIABETES MELLITUS, JUVENILE (congenital, complications); FEMALE; FETAL DISEASES (complications); GLUCOSE TOLERANCE TEST; GLYCOSURIA; GROWTH DISORDERS (complications); HUMAN; INFANT, NEWBORN; INFANT, NEWBORN, DISEASES; INSULIN (secretion); MACROGLOSSIA (complications); MALE; PREGNANCY; SYNDROME; TIME FACTORS; TONGUE.

Dahl JL

THE SODIUM-POTASSIUM ADENOSINETRIPHOSPHATASE. Dahl JL, Hokin LE *Annu Rev Biochem* 43: 327-56, 1974 (Eng) [289]

REVIEW; ANIMAL EXPERIMENTS; ADENOSINE TRIPHOSPHATASE (metabolism, isolation & purification); SODIUM (pharmacodynamics); POTASSIUM (pharmacodynamics); PROTEIN BINDING; MOLECULAR WEIGHT; BINDING SITES; SPECIES SPECIFICITY; KINETICS; MAGNESIUM; PHOSPHOLIPIDS (pharmacodynamics); CATIONS, DIVALENT; PHOSPHORUS RADIOISOTOPES; MATHEMATICS; CARDIAC GLYCOSIDES (pharmacodynamics); PHOSPHATASES (metabolism); SQUID; PHOSPHOPROTEINS; AXONS (enzymology); BIOLOGICAL TRANSPORT, ACTIVE; ERYTHROCYTES (enzymology); OUABAIN (pharmacodynamics).

DAlessandro B

[TESTS OF SOMATOTROPIN RESERVE IN OBESITY: RESPONSE OF GH TO STIMULATION WITH L-DOPA AND L-ARGININE] DAlessandro B, Bellastella A, Esposito V, Gasbarro R *Folia Endocrinol (Roma)* 27: 381-9, Aug 74 (Ita)

ENGLISH ABSTRACT; ADULT; HUMAN; FEMALE; OBESITY (physiopathology); HYPOTHALAMO-HYPOPHYSAL SYSTEM (physiopathology); SOMATOTROPIN (blood); PITUITARY GLAND (physiopathology); ARGinine (diagnostic use); DOPA (diagnostic use).

Dallner G

BINDING OF CONCAVALIN A-SEPHAROSE TO GLYCOPROTEINS OF LIVER MICROSOMAL MEMBRANES. Winqvist L, Eriksson LC, Dallner G *FEBS Lett* 42: 27-31, 15 May 74 (Eng)

Danchaivijitr S

HYPONATREMIA. Danchaivijitr S, Tandanand S *J Med Assoc Thai* 57: 496-9, Oct 74 (Eng)

ADULT; AGED; CHLORPROPAMIDE (adverse effects); DIABETES MELLITUS (drug therapy); FEMALE; HUMAN; HYPONATREMIA (chemically induced); MALE; MIDDLE AGE.

Darling JA

PROCEEDINGS: FAMILIAL GLUCOCORTICOID DEFICIENCY. Thistlethwaite D, Darling JA, Fraser R, Rees LH, Harkness RA *J Endocrinol* 63: 48p-49p, Nov 74 (Eng)

Daroff RB

PITUITARY APOPLEXY IN ACROMEGALY FOLLOWED BY PARTIAL PITUITARY INSUFFICIENCY. Jacobi JD, Fishman LM, Daroff RB *Arch Intern Med* 134: 559-61, Sep 74 (Eng)

Daubs JG

DIABETES SCREENING WITH CORNEAL AESTHESIOMETER. Daubs JG *Am J Optom Physiol Opt* 52: 31-5, Jan 75 (Eng)
CORNEA; DIABETES MELLITUS (diagnosis, occurrence); EVALUATION STUDIES; HUMAN; MASS SCREENING (methods); OPTOMETRY (methods); SENSATION.

Davies PA

VERY LOW BIRTHWEIGHT AND LATER INTELLIGENCE. Francis-Williams J, Davies PA *Dev Med Child Neurol* 16: 709-28, Dec 74 (Eng)

Davis B

MODEL FOR EXTRUSION OF INSULIN BETA GRANULES. Lazarus NR, Davis B *Lancet* 1: 143-4, 18 Jan 75 (Eng)

Davis EJ

ON THE RELATIONSHIPS BETWEEN THE STOICHIOMETRY OF OXIDATIVE PHOSPHORYLATION AND THE PHOSPHORYLATION POTENTIAL OF RAT LIVER MITOCHONDRIA AS FUNCTIONS OF RESPIRATORY STATE. Davis EJ, Lumeng L, Bottoms D *FEBS Lett* 39: 9-12, 1 Feb 74 (Eng)

CATTLE; RATS; ANIMAL EXPERIMENTS; COMPARATIVE STUDY; OXIDATIVE PHOSPHORYLATION (drug effects); OXYGEN CONSUMPTION (drug effects); MITOCHONDRIA, LIVER (metabolism, drug effects); ADENOSINE TRIPHOSPHATE (metabolism); ADENOSINE DIPHOSPHATE (metabolism, pharmacodynamics); SUCROSE; CARBON RADIOISOTOPES, WATER (metabolism); ADENOSINE TRIPHOSPHATASE (metabolism); MITOCHONDRIA, MUSCLE (enzymology); MYOCARDIUM; THERMODYNAMICS; CALORIMETRY.

Dawson AM

FUNCTIONAL DIFFERENTIATION OF HUMAN JEJUNUM AND ILEUM: A COMPARISON OF THE HANDLING OF GLUCOSE, PEPTIDES, AND AMINO ACIDS. Silk DB, Webb JP, Lane AE, Clark ML, Dawson AM *Gut* 15: 444-9, Jun 74 (Eng)

Day AJ

[PROCEEDINGS: INCORPORATION OF 1-14-OLEIC ACID IN SUBCELLULAR FRACTIONS OR NORMAL AND ATHEROSCLEROTIC HUMAN FEMORAL ARTERIES IN VITRO] Horsch AK, Day AJ *Munch Med Wochenschr* 116: 1111-2, 31 May 74 (Ger)

de Ruiter L

MODELS OF BEHAVIOR AND THE HYPOTHALAMUS. de Ruiter L, Wiepkema PR, Veening JG *Prog Brain Res* 41: 481-507, 1974 (Eng) [69]

ANIMAL EXPERIMENTS; BEHAVIOR, ANIMAL; BLOOD SUGAR; DRINKING BEHAVIOR; DRINKING; EATING; ENERGY METABOLISM; ESTRUS; ETHOLOGY; FATTY ACIDS, NONESTERIFIED (blood); FEEDING BEHAVIOR; FEMALE; HYPOTHALAMUS (physiology); INSULIN (blood); MALE; MODELS, BIOLOGICAL; MODELS, NEUROLOGIC; MOTIVATION; RATS; REVIEW; SATIATION; SEX BEHAVIOR, ANIMAL; SPECIES SPECIFICITY.

de Souza MZ

POSSIBLE PARTICIPATION OF INSULIN IN THE CONTROL OF VASCULAR PERMEABILITY. Garcia-Leme J, Bohm GM, Miglioni RH, de Souza MZ *Eur J Pharmacol* 29: 298-306, Dec 74 (Eng)

Dean AC

INSULINOMA. Dean AC, Smith RC *J R Coll Surg Edinb* 20: 49-53, Jan 75 (Eng)

ADULT; BLOOD SUGAR (analysis); FEMALE; FOLLOW-UP STUDIES; HUMAN; INSULIN (blood); ISLET CELL TUMOR (surgery); MALE; MIDDLE AGE; PANCREATIC NEOPLASMS (surgery).

De Cespedes C

COMPLEXITY IN VALINOMYCIN EFFECTS ON AMINO ACID TRANSPORT. De Cespedes C, Christensen HN *Biochim Biophys Acta* 339: 139-45, 26 Feb 74 (Eng)

MICE; ANIMAL EXPERIMENTS, IN VITRO; COMPARATIVE STUDY; VALINOMYCIN (pharmacodynamics); AMINO ACIDS (metabolism); CARCINOMA, EHRlich TUMOR (metabolism); CELL MEMBRANE (metabolism, drug effects); TRITIUM; AMMONIUM COMPOUNDS (metabolism); AMINOISOBUTYRIC ACID (metabolism); BENZYL COMPOUNDS (metabolism); ARGinine (metabolism); LYSINE (metabolism); BORON (pharmacodynamics); MEMBRANE POTENTIALS; PHENOLS (pharmacodynamics); KINETICS; ADENOSINE TRIPHOSPHATE (metabolism); POTASSIUM (metabolism); BIOLOGICAL TRANSPORT; SODIUM (metabolism); TIME FACTORS.

Dechavanne M

[EFFECT OF GLICLAZIDE ON PLATELET BEHAVIOR] Verry M, Dechavanne M, Desnoyers P, Stoltz JF, Vainer H *Nouv Presse Med* 3: 2099-100, 5 Oct 74 (Fre)

Deckert T

THE CLINICAL SIGNIFICANCE OF HIGHLY PURIFIED PIG-INSULIN PREPARATIONS. Deckert T, Andersen OO, Poulsen JE *Diabetologia* 10: 703-8, Dec 74 (Eng)

ADULT; CATTLE; COMPARATIVE STUDY; CRYSTALLIZATION; DIABETES MELLITUS (drug therapy); DRUG CONTAMINATION; EVALUATION STUDIES; HUMAN; INSULIN ANTIBODIES (analysis); INSULIN, ISOPHANE (adverse effects, standards, therapeutic use); INSULIN, PROTAMINE ZINC (therapeutic use); LIPODYSTROPHY (chemically induced); PROINSULIN (adverse effects, analysis); PROTEIN BINDING; SKIN MANIFESTATIONS; SWINE.

Delaunay A

[CHANGES INDUCED BY THEOPHYLLINE IN VITRO ON THE GLYCOGEN CONTENT, CARBOHYDRATE METABOLISM AND FINALLY ON THE PHAGOCYTIC AND BACTERICIDAL ACTIVITY OF POLYNUCLEAR LEUKOCYTES] Henon M, Launay A, Delaunay A *C R Acad Sci [D] (Paris)* 278: 521-4, 21 Jan 74 (Fre)

Demel RA

POLYENE ANTIBIOTIC-STEROL INTERACTIONS IN MEMBRANES OF ACHOLEPLASMA LAIDLAWII CELLS AND LECITHIN LIPOSOMES. I. SPECIFICITY OF THE MEMBRANE PERMEABILITY CHANGES INDUCED BY THE POLYENE ANTIBIOTICS. Kruijff B de, Gerritsen WJ, Oerlemans A, Demel RA, Deenen LL van *Biochim Biophys Acta* 339: 30-43, 26 Feb 74 (Eng)

POLYENE ANTIBIOTIC-STEROL INTERACTIONS IN MEMBRANES OF ACHOLEPLASMA LAIDLAWII CELLS AND LECITHIN LIPOSOMES. 3. MOLECULAR STRUCTURE OF THE POLYENE ANTIBIOTIC-CHOLESTEROL COMPLEXES. Kruijff B de, Demel RA *Biochim Biophys Acta* 339: 57-70, 26 Feb 74 (Eng)

POLYENE ANTIBIOTIC-STEROL INTERACTIONS IN MEMBRANES OF ACHOLE-

PLASMA LAIDLAWII CELLS AND LECITHIN LIPOSOMES. II. TEMPERATURE DEPENDENCE OF THE POLYENE ANTIBIOTIC-STEROL COMPLEX FORMATION. Kruijff B de, Gerritsen WJ, Oerlemans A, Dijk PW van, Demel RA, Deenen LL van *Biochim Biophys Acta* 339: 44-56, 26 Feb 74 (Eng)

Denaro JA

EVALUATION OF PERIPHERAL VASCULAR DISEASE USING RADIOACTIVE XENON. Denaro JA, Weinstein G, Imparato AM, Braunstein P *Rev Surg* 32: 65-7, Jan-Feb 75 (Eng)

BLOOD FLOW VELOCITY (methods); DIABETES MELLITUS (physiopathology); EVALUATION STUDIES; HISTAMINE (diagnostic use); HUMAN; ISCHEMIA (diagnosis); LEG (blood supply); MUSCLES (blood supply); RADIOISOTOPES (diagnosis); SKIN (blood supply); XENON (diagnostic use).

De Neef P

[STIMULATION OF CYCLIC AMP AND CYCLIC GMP IN RAT PANCREAS STIMULATED BY GASTRO-INTESTINAL HORMONES IN VIVO AND IN VITRO] Deschodt-Lanckman M, Robberecht P, De Neef P, Christophe J *Arch Int Physiol Biochim* 82: 180, Feb 74 (Fre)

Desai M

HYPERGLYCEMIC RESPONSE IN CHILDREN WITH CONVULSIONS. Bajaj RT, Desai M *Indian Pediatr* 11: 719-22, Nov 74 (Eng)

Desbuquois B

THE INTERACTION OF VASOACTIVE INTESTINAL POLYPEPTIDE AND SECRETIN WITH LIVER-CELL MEMBRANES. Desbuquois B *Eur J Biochem* 46: 439-50, 1 Aug 74 (Eng)

RATS; ANIMAL EXPERIMENTS; VASOCONSTRICTOR AGENTS (metabolism); PEPTIDES (metabolism, pharmacodynamics); MICROSOMES, LIVER (metabolism); CELL MEMBRANE (metabolism); SECRETIN (pharmacodynamics); BINDING SITES; INTESTINE, SMALL; BINDING, COMPETITIVE; PROTEIN BINDING; IODINE RADIOISOTOPES; HYDROGEN-ION CONCENTRATION; HORMONES (pharmacodynamics); OSMOLAR CONCENTRATION; NUCLEOTIDES (pharmacodynamics); KINETICS; GUANINE NUCLEOTIDES (pharmacodynamics); SURFACE-ACTIVE AGENTS (pharmacodynamics); ADENOSINE TRIPHOSPHATE (pharmacodynamics); PHENANTHROLINES (pharmacodynamics); ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); CHELATING AGENTS (pharmacodynamics); NUCLEOTIDES, CYCLIC (pharmacodynamics); BACITRACIN (pharmacodynamics); ADENYL CYCLASE (metabolism).

Deschodt-Lanckman M

[STIMULATION OF CYCLIC AMP AND CYCLIC GMP IN RAT PANCREAS STIMULATED BY GASTRO-INTESTINAL HORMONES IN VIVO AND IN VITRO] Deschodt-Lanckman M, Robberecht P, De Neef P, Christophe J *Arch Int Physiol Biochim* 82: 180, Feb 74 (Fre)

RATS; ANIMAL EXPERIMENTS; COMPARATIVE STUDY; ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); GUANOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); PANCREAS (metabolism, drug effects); SECRETIN (metabolism); PEPTIDES (pharmacodynamics); PANCREOZYMIN (metabolism); CAERULEIN (metabolism); PILOCARPINE (pharmacodynamics); THEOPHYLLINE (pharmacodynamics); CARBAMATES (pharmacodynamics); CHOLINE (pharmacodynamics); RADIOIMMUNOASSAY.

Desnoyers P

[EFFECT OF GLICLAZIDE ON PLATELET BEHAVIOR] Verry M, Dechavanne M, Desnoyers P, Stoltz JF, Vainer H *Nouv Presse Med* 3: 2099-100, 5 Oct 74 (Fre)

Devlin JG

THE SCOPE OF RADIOIMMUNOASSAY. Devlin JG *Ir J Med Sci* 0: suppl036-42, Jul 74 (Eng)

HUMAN; RADIOIMMUNOASSAY; METHODS; SOMATOTROPIN (blood).

Di Matteo J

[THE RISK FACTORS OF CORONARY DISEASE] Di Matteo J, Fleury G *Rev Prat* 24: 5059-60, 5065-6, 5069-71, 7-11 Dec 74 (Fre)

AGE FACTORS; ARTERIOSCLEROSIS (complications); COFFEE; CORONARY DISEASE (occurrence); DIABETES MELLITUS (complications); ENGLISH ABSTRACT; ENVIRONMENT; EXERTION; FEMALE; HUMAN; HYPERCHOLESTEREMIA (complications); HYPERLIPEMIA (complications); HYPERTENSION (complications); MALE; OBESITY (complications); OCCUPATIONS; PERSONALITY; SEX FACTORS; SMOKING (complications); SPECIAL LIST FOREIGN; TACHYCARDIA; TRIGLYCERIDES (blood); URIC ACID (blood).

Dickerman Z

DIABETIC RETINOPATHY IN AN ADOLESCENT WITH PRADER-LABHART-WILLI SYNDROME. Savir A, Dickerman Z, Karp M, Laron Z *Arch Dis Child* 49: 963-4, Dec 74 (Eng)

Dietschy JM

THE INTESTINAL UNSTIRRED LAYER: ITS SURFACE AREA AND EFFECT ON ACTIVE TRANSPORT KINETICS. Wilson FA, Dietschy JM *Biochim Biophys Acta* 363: 112-26, 21 Aug 74 (Eng)

DiGirolamo M

EFFECT OF WEIGHT REDUCTION IN THE RAT ON EPIDIDYMAL FAT-CELL SIZE AND RELATIVE DISPERSION. Smith JE, DiGirolamo M *Am J Physiol* 227: 420-4, Aug 74 (Eng)

Digon E

DIABETES MELLITUS: AN UNDERESTIMATED PUBLIC HEALTH PROGRAM. Tokuhata GK, Miller W, Digon E, Hartman T *J Chronic Dis* 28: 23-35, Jan 75 (Eng)

Dimitrov A

[BIOCHEMICAL AND MORPHOLOGICAL STUDIES OF THE BLOOD AND LIVER IN COWS WITH KETOSIS] Simeonov S, Dimitrov A, Stoi-anov Kh *Vet Med Nauki* 11: 10-22, 1974 (Bul)

Dingwall-Fordyce I

LONGITUDINAL STUDY OF UNTREATED CHEMICAL DIABETES. Logie AW, Stowers JM, Dingwall-Fordyce I *Br Med J* 4: 630-2, 14 Dec 74 (Eng)

Ditsov GD

[ACUTE DIABETIC SYNDROME INDUCED IN RATS BY ANTI-INSULIN SERUM AS AN EXPERIMENTAL MODEL FOR THE STUDY OF SOME ANTIDIABETIC EFFECTS] Andreev D, Strashimirov S, Ditsov GD *Eksp Med Morfol* 13: 95-101, 1974 (Bul)

Dobbs R

EFFECT OF INTRAVENOUSLY ADMINISTERED GLUCOSE ON GLUCAGON AND INSULIN SECRETION DURING FAT ABSORPTION. Dobbs R, Faloona GR, Unger RH *Metabolism* 24: 69-75, Jan 75 (Eng)

ANIMAL EXPERIMENTS; BLOOD SUGAR; COMPARATIVE STUDY; DIETARY FAT; DIETARY PROTEINS; DOGS; GLUCAGON (blood); GLUCOSE (pharmacodynamics); HUMAN; INSULIN (blood); INTESTINAL ABSORPTION (drug effects); LIPIDS (metabolism); TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Dobrzanski T

ENDOCRINE ALTERATIONS IN DELIRIUM TREMENS. Dobrzanski T *Q J Stud Alcohol* 35: 1205-11, Dec 74 (Eng)

ADULT; AGED; ANTIGENS (analysis); BLOOD SUGAR (analysis); CORTICOTROPIN (blood); DELIRIUM TREMENS (complications); ENDOCRINE DISEASES (complications); HALLUCINATIONS (etiology); HUMAN; INSULIN (blood); MALE; MIDDLE AGE; PSYCHOSES, ALCOHOLIC (metabolism, complications); RADIOIMMUNOASSAY; SOMATOTROPIN (blood); THYROXINE (blood); TIME FACTORS; TIME PERCEPTION; 17-HYDROXYCORTICOSTEROIDS (blood).

Doi T

COMPARISON OF PHARMACOLOGICAL RESPONSES TO NICOTINE AND RELEASE OF CATECHOLAMINES FROM THE ADRENALS IN DOGS AND MONKEYS. Tsujimoto A, Nishikawa T, Doi T, Kojima S *Eur J Pharmacol* 26: 236-42, May 74 (Eng)

Doria G

HORMONES AND LYMPHOID TISSUES. CONTACT SENSITIVITY AND DETECTION OF THETA-CELLS IN PITUITARY DWARF MICE. Baroni CD, Doria G *Adv Exp Med Biol* 29: 655-60, 1973 (Eng)

Drake RL

AN IN VIVO INSULIN EFFECT ON HEPATOCYTE CHROMATIN DETERMINED BY DNA-RNA HYBRIDIZATION. Drake RL, Morgan CR *Biochem Biophys Res Commun* 62: 342-9, 20 Jan 75 (Eng)

ALLOXAN DIABETES (metabolism); ANIMAL EXPERIMENTS; CHROMATIN (metabolism); ESCHERICHIA COLI (enzymology); INSULIN (pharmacodynamics); LIVER (metabolism, cytology, drug effects); NUCLEIC ACID HYBRIDIZATION; RATS; RNA POLYMERASE (metabolism); TRANSCRIPTION, GENETIC; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Dryden PC

INCORPORATION OF A HIGH-SPEED DECIMAL DATA PROCESSOR INTO A CENTRIFUGAL ANALYZER. Gregory RP 4th, Avery J, Renoe BW, Dryden PC, Malmstadt HV *Clin Chem* 20: 950-4, Aug 74 (Eng)

Dub O

[DIABETICS FROM A MEDICAL INSTITUTION AND A REGIONAL COLLECTIVE FROM THE VIEW POINT OF PATIENT PARTICIPATION IN THE THERAPEUTIC REGIMEN] Dub O, Brozek I, Nykodym P, Kreze A *Cas Lek Cesk* 113: 1389-93, 7 Nov 74 (Cze)

ADULT; ANTIDIABETICS (therapeutic use); ATTITUDE TO HEALTH; CONSUMER PARTICIPATION; CZECHOSLOVAKIA; DIABETES MELLITUS (drug therapy, therapy); ENGLISH ABSTRACT; HEALTH RESORTS; HUMAN; INSULIN (therapeutic use).

Dublin M

THE ANTIFUNGAL ACTIVITY OF NORMAL AND HOST-COMPROMISED SALIVA ON SPACEFLIGHT FUNGAL PHENOTYPES. Dublin M, Volz PA, Bulmer GS *Mycopathol Mycol Appl* 54: 499-516, 18 Dec 74 (Eng)

ADRENAL CORTEX HORMONES (therapeutic use); ASCOMYCETES (growth & development);

Diabetes Literature—Author Index

Dudenko NV

CELL SURVIVAL; COMPARATIVE STUDY; DIABETES MELLITUS (drug therapy); FEMALE; HUMAN; INSULIN (therapeutic use); KIDNEY DISEASES (drug therapy); MALE; MONILIALES (growth & development); NEOPLASMS (radiotherapy); PEROXIDASES (metabolism); PHENOTYPE; SACCHAROMYCES CEREVISIAE (growth & development); SALIVA (enzymology); SPACE FLIGHT; SPORES, FUNGAL (growth & development); TRICHOPHYTON (growth & development); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.; VARIATION (GENETICS).

Dudenko NV

[EFFECT OF HEREDITARY FACTORS ON CERTAIN INDICATORS OF METABOLISM IN CHILDREN AND ADOLESCENTS WITH OBESITY] Dudenko NV, Anishechuk VP, Savchenko DD *Pediatr* 34-7, Dec 74 (Rus)

ADOLESCENCE; CARBOHYDRATES (metabolism); CHILD; GLUCOSE TOLERANCE TEST; HUMAN; LIPIDS (metabolism); OBESITY (familial & genetic, metabolism); PEDIGREE.

[BLOOD CONTENT OF IMMUNOREACTIVE INSULIN IN CHILDREN AND ADOLESCENTS WITH OBESITY] Livergant IuE, Dudenko NV, Krupchitskaia KI *Vopr Okhr Materin Det* 19: 51-4, Oct 74 (Rus)

Dudziak Z

[INSULIN ANTIBODIES AND THE ACTUAL INSULIN REQUIREMENTS IN CHILDREN AND ADOLESCENTS WITH PRIMARY DIABETES] Karczewska K, Felus E, Panek G, Otto-Buczowska E, Dudziak Z *Med Dosw Mikrobiol* 26: 325-30, 1974 (Pol)

Duffy JL

MICROCIRCULATION IN DIABETES MELLITUS: A STUDY OF GINGIVAL BIOPSIES. Lin JH, Duffy JL, Roginsky MS *Hum Pathol* 6: 77-96, Jan 75 (Eng)

Duhaluit J

[DIABETIC MICROANGIOPATHY: COMPARISON BETWEEN MAN AND ANIMAL] Duhaluit J, Lebon F, Boulanger M, Regnault F, Kern F *Biorheology* 11: 167-78, Jun 74 (Fre)

ANIMAL EXPERIMENTS; COMPARATIVE STUDY; DIABETIC ANGIOPATHIES (pathology); DIABETIC NEPHROPATHIES (pathology); DIABETIC RETINOPATHY (pathology); HUMAN; KIDNEY (blood supply); NEPHROSCLEROSIS (pathology); RATS; RETINAL VESSELS (pathology).

Dumont JE

[STIMULATION BY THYROTROPIN OF THYROID GLAND CALCIUM MOBILIZATION] Rodesch F, Bogaert C, Dumont JE *C R Acad Sci [D]* (Paris) 278: 931-4, 11 Feb 74 (Fre)

Dumont M

INFLUENCE OF GLUCAGON ON CANALICULAR BILE PRODUCTION IN THE DOG. Khedis A, Dumont M, Duval M, Erlinger S *Biomedicine [Express]* 21: 176-81, 10 Apr 74 (Eng)

ALPHA 1-ANTITRYPSIN IN AMNIOTIC FLUID. Guibaud S, Bonnet M, Thoulon JM, Dumont M *Obstet Gynecol* 45: 34-8, Jan 75 (Eng)

Duncan B

A NONCULTURE METHOD FOR HOME FOLLOW-UP OF URINARY TRACT INFECTIONS IN CHILDHOOD. Todd J, McLain L, Duncan B, Brown M *J Pediatr* 85: 514-6, Oct 74 (Eng)

Duncan LJ

ANTIBODIES TO PANCREATIC ISLET CELLS IN INSULIN-DEPENDENT DIABETICS WITH COEXISTENT AUTOIMMUNE DISEASE.

MacCuish AC, Irvine WJ, Barnes EW, Duncan LJ *Lancet* 2: 1529-31, 28 Dec 74 (Eng)

Dunlop M

PLASMA LIPID VALUES IN CHILDHOOD OBESITY. Court JM, Dunlop M, Leonard RF *Gastrointest Endosc* 21: 10-4, Aug 74 (Eng)

Durowoju JE

INFLUENCE OF ETHER ANAESTHESIA ON SUXAMETHONIUM-INDUCED HYPERKALAEMIA. Magbagbeola JA, Adadevoh BK, Durowoju JE *Anaesthesia* 29: 429-34, Jul 74 (Eng)

Duszynski J

AN APPRAISAL OF THE FUNCTIONAL SIGNIFICANCE OF THE INHIBITORY EFFECT OF LONG CHAIN ACYL-COAS ON MITOCHONDRIAL TRANSPORTS. Morel F, Lauquin G, Lunardi J, Duszynski J, Vignais PV *FEBS Lett* 39: 133-8, 15 Feb 74 (Eng)

Duval M

INFLUENCE OF GLUCAGON ON CANALICULAR BILE PRODUCTION IN THE DOG. Khedis A, Dumont M, Duval M, Erlinger S *Biomedicine [Express]* 21: 176-81, 10 Apr 74 (Eng)

Dwek RA

THE PREPARATION AND PROPERTIES OF PYRUVATE KINASE FROM YEAST. Fell DA, Liddle PF, Peacocke AR, Dwek RA *Biochem J* 139: 665-75, Jun 74 (Eng)

Dykes JR

THE EFFECT OF A LOW-CALORIE DIET WITH AND WITHOUT FENFLURAMINE, AND FENFLURAMINE ALONE ON THE GLUCOSE TOLERANCE AND INSULIN SECRETION OF OVERWEIGHT NON-DIABETICS. Dykes JR *Postgrad Med J* 49: 314-7, May 73 (Eng)

ADULT; COMPARATIVE STUDY; DIET; REDUCING; FEMALE; FENFLURAMINE (therapeutic use); GLUCOSE TOLERANCE TEST; HUMAN; INSULIN (secretion); MALE; MIDDLE AGE; OBESITY (therapy, metabolism, diet therapy, drug therapy).

THE EFFECT OF A LOW-CALORIE DIET WITH AND WITHOUT FENFLURAMINE ON THE GLUCOSE TOLERANCE AND INSULIN SECRETION OF OBSE MATURITY-ONSET DIABETICS. Dykes JR *Postgrad Med J* 49: 318-24, May 73 (Eng)

ADULT; AGED; COMPARATIVE STUDY; DIET; REDUCING; FENFLURAMINE (therapeutic use); GLUCOSE TOLERANCE TEST; HUMAN; INSULIN (secretion); MATHEMATICS; MIDDLE AGE; OBESITY IN DIABETES (therapy, diet therapy, metabolism, drug therapy).

Dzurik R

[EFFECT OF THE INHIBITOR OF GLUCOSE UTILIZATION, ISOLATED FROM SERUM OF PATIENTS IN UREMIA, UPON MORPHOLOGY AND MEMBRANE PERMEABILITY OF ERYTHROCYTES (AUTHORS TRANSL)] Gajdos M, Dzurik R *Bratisl Lek Listy* 62: 29-34, 1974 (Slo)

[GLYCID METABOLISM DISORDER IN RENAL FAILURE, THERAPEUTIC SEQUELAE] Dzurik R, Cernacek P *Vnitr Lek* 21: 22-7, Jan 75 (Slo)

ANIMAL EXPERIMENTS; ANTIDIABETICS (therapeutic use); CARBOHYDRATES (metabolism); ENGLISH ABSTRACT; HYPOGLYCEMIA (etiology, drug therapy); KIDNEY FAILURE, ACUTE (complications); KIDNEY FAILURE, CHRONIC (complications); RATS.

Eanes ED

BETA-PLEATED SHEET FIBRILS. A COMPARISON OF NATIVE AMYLOID WITH SYNTHETIC PROTEIN FIBRILS. Glenner GG, Eanes ED, Bladen HA, Linke RP, Termine JD *J Histochem Cytochem* 22: 1141-58, Dec 74 (Eng)

Eastin WC

A SUBMAXIMAL TEST FOR DOGS: EVALUATION OF EFFECTS OF TRAINING, DETRAINING, AND CAGE CONFINEMENT. Tipton CM, Carey RA, Eastin WC, Erickson HH *J Appl Physiol* 37: 271-5, Aug 74 (Eng)

Eaton RP

DECREASED GLUCAGON ACTIVITY: A MECHANISM FOR GENETIC AND ACQUIRED ENDOGENOUS HYPERLIPIDEMIA. Eaton RP, Schade DS, Conway M *Lancet* 2: 1545-7, 28 Dec 74 (Eng)

ANIMAL EXPERIMENTS; CHLORIDES; COBALT; CONTRACEPTIVES, ORAL (adverse effects); DIET (adverse effects); DIETARY CARBOHYDRATES (adverse effects); DISEASE MODELS, ANIMAL; FATTY ACIDS (blood); FATTY ACIDS, NONESTERIFIED (blood); FEMALE; GLUCAGON (physiology, secretion, therapeutic use); HUMAN; HYPERLIPIDEMIA (drug therapy, etiology, chemically induced, blood); HYPERLIPIDEMIA, ESSENTIAL FAMILIAL (etiology); LIPID METABOLISM, INBORN ERRORS (complications); LIPOPROTEINS (blood, metabolism); LIVER (metabolism); OBESITY (physiopathology); RATS.

Eckstein F

YEAST HEXOKINASE REACTION WITH ADENOSINE 5-O-TRIPHOSPHATE AND ADENOSINE 5-O-(1-THIO-TRIPHOSPHATE) MONITORED BY LIQUID CHROMATOGRAPHY. Stahl KW, Schlimme, Eckstein F *FEBS Lett* 40: 241-6, 1 Apr 74 (Eng)

Efendic S

IMMUNOHISTOCHEMICAL EVIDENCE FOR THE LOCALIZATION OF SOMATOSTATIN-LIKE IMMUNOREACTIVITY IN A CELL POPULATION OF THE PANCREATIC ISLETS. Luft R, Efendic S, Hokfelt T, Johansson O, Arimura A *Med Biol* 52: 428-30, Dec 74 (Eng)

TRAUMA: HORMONAL FACTORS WITH SPECIAL REFERENCE TO DIABETES MELLITUS. Efendic S, Cerasi E, Luft R *Acta Anaesthesiol Scand [Suppl]* 107-19, 1974 (Eng)

ADIPOSE TISSUE (metabolism); BLOOD SUGAR (metabolism); CATECHOLAMINES (metabolism); CHILD; CORTICOTROPIN (metabolism); DIABETES MELLITUS (metabolism); DIABETES MELLITUS, JUVENILE (metabolism); DWARFISM, PITUITARY (blood); EPINEPHRINE (urine); GLUCAGON (metabolism); HUMAN; INSULIN (metabolism); LIVER (metabolism); MUSCLES (metabolism); PANCREAS (metabolism); PITUITARY HORMONES, ANTERIOR (metabolism); PREOPERATIVE CARE; SOMATOTROPIN (metabolism, blood); STRESS (metabolism); TIME FACTORS; WOUNDS AND INJURIES (metabolism).

Efird RL

MEDICATION USE AND MISUSE: PHYSICIAN-PATIENT DISCREPANCIES. Hulka BS, Kupper LL, Cassel JC, Efird RL *J Chronic Dis* 28: 7-21, Jan 75 (Eng)

Ehrlich RM

COEXISTENCE OF DIABETES MELLITUS AND CELIAC DISEASE. Thain ME, Hamilton JR, Ehrlich RM *J Pediatr* 85: 527-9, Oct 74 (Eng)

Diabetes Literature—Author Index

Feingold DS

Ekins DS

BLOOD CHARACTERISTICS OF THE HOLSTEIN CALF RELEVANT IN CARDIOPULMONARY STUDIES. Nelson JH, Ekins DS, Allen SD *J Appl Physiol* 37: 145-51, Aug 74 (Eng)

Ekman R

BLOOD GLUCOSE MEASUREMENT WITH DEXTROSTIX AND NEW REFLECTANCE METER. Schersten B, Kuhl C, Hollender A, Ekman R *Br Med J* 3: 384-7, 10 Aug 74 (Eng)

El Amile A

[CORTISONE DIABETES AND DIABETES IN DERMATOLOGY AND LEPROSY] El Amile A *Maroc Med* 54: 294-303, May 74 (Fre)
ADRENAL CORTX HORMONES (adverse effects); DIABETES MELLITUS (chemically induced, occurrence); DOSE-RESPONSE RELATIONSHIP, DRUG; HUMAN; LEPROSY (drug therapy); MOROCCO; PREDNISOXY (adverse effects, therapeutic use); SKIN DISEASES (drug therapy); TIME FACTORS.

Elicio N

[GLUCAGON AND FUNCTION OF THE HYPOTHALAMO-HYPOPHYSIAL-ADRENOCORTICAL SYSTEM IN HUMANS] Balestreri R, Bertolini S, Elicio N, Costa S *Boll Soc Ital Biol Sper* 50: 417-23, 15 Apr 74 (Ita)

Elson C

REGULATION OF METABOLIC TRANSPORT IN RAT AND GUINEA PIG LIVER MITOCHONDRIA BY LONG CHAIN FATTY ACYL COENZYME A ESTERS. Shrago E, Shug A, Elson C, Spennetta T, Crosby C *J Biol Chem* 249: 5269-74, 25 Aug 74 (Eng)

Emmrich P

QUANTITATION OF DIABETIC DISTURBANCES OF PLACENTAL MATURATION (AUTHORS TRANSL.) Emmrich P, Godel E, Muller G *Pathol Microbiol (Basel)* 41: 253-65, 1974 (Ger)

AGED; EVALUATION STUDIES; FEMALE; HISTOLOGICAL TECHNIQS; HUMAN; PLACENTA DISORDERS (pathology, etiology); PLACENTA (pathology); PREGNANCY IN DIABETES (complications); PREGNANCY.

[CLINICAL PARAMETERS OF PLACENTAL EDEMA IN MATERNAL DIABETES MELLITUS] Emmrich P, Godel E, Amendt P *Zentralbl Gynaekol* 96: 1393-8, 1 Nov 74 (Ger)

ACIDOSIS (etiology); APGAR SCORE; DIABETIC ANGIOPATHIES (complications); DIABETIC NEPHROPATHIES (complications); EDEMA (etiology); ENGLISH ABSTRACT; FEMALE; FETAL DISEASES (etiology); GERMANY, EAST; GESTATIONAL AGE; HUMAN; INFANT MORTALITY; INFANT, NEWBORN; INFANT, NEWBORN, DISEASES (etiology); INFANT, PREMATURE; PLACENTA DISORDERS (etiology, pathology); PREGNANCY IN DIABETES (complications); PREGNANCY TOXEMIAS (occurrence); PREGNANCY; PROTEINURIA (etiology); TIME FACTORS.

Empeaire JC

[BIRTH CONTROL METHODS IN PSYCHIATRY] Audebert A, Empeaire JC, Cohen J, Bourgeois M *Ann Med Psychol (Paris)* 2: 92-127, Jun 74 (Fre)

Engelhardt W

[HYDRAMNIOS AND GLUCOSE TOLERANCE: THE INCIDENCE OF HYDRAMNIOS IN 461 PREGNANT PATIENTS SUSPECTED OF DIABETES CORRELATED TO GLUCOSE TOLERANCE (AUTHORS TRANSL.) Engelhardt W *Geburtshilfe Frauenheilkd* 34: 851-6, Oct 74 (Ger)

BIRTH WEIGHT; ENGLISH ABSTRACT; FEMALE; GLUCOSE TOLERANCE TEST; GLYCOSURIA (diagnosis); HUMAN; HYDRAMNIOS (complications, diagnosis); OBESITY IN DIABETES (complications); PREDIABETIC STATE (complications); PREGNANCY IN DIABETES (complications); PREGNANCY TOXEMIAS (complications); PREGNANCY.

Ensinnck JW

SOMATOSTATIN INHIBITS INSULIN AND GLUCAGON RELEASE BY MONOLAYER CELL CULTURES OF RAT ENDOCRINE PANCREAS. Fujimoto WY, Ensinnck JW, Williams RH *Life Sci* 15: 1999-2004, 1 Dec 74 (Eng)

Erenberg A

INSULIN-GLUCAGON SUBSTRATE INTERRELATIONS IN THE FETAL SHEEP. Fiser RH Jr, Erenberg A, Sperling M, Oh W, Fisher DA *Pediatr Res* 8: 951-5, Dec 74 (Eng)

Erickson CJ

HEALTH CARE PROBLEMS OF THE AMERICAN INDIANS. Rabreau ES, Erickson CJ *ISA Trans* 13: 319-25, 1974 (Eng)

Erickson HH

A SUBMAXIMAL TEST FOR DOGS: EVALUATION OF EFFECTS OF TRAINING, DETRAINING, AND CAGE CONFINEMENT. Tipton CM, Carey RA, Eastin WC, Erickson HH *J Appl Physiol* 37: 271-5, Aug 74 (Eng)

Erickson AD

CEREBRAL METABOLIC EFFECTS OF GLYCEROL INFUSION IN DIABETICS WITH STROKE. Meyer JS, Shimazu K, Ouchi T, Okamoto S, Koto A, Fukuchi Y, Erickson AD *J Neurol Sci* 21: 1-22, Jan 74 (Eng)

Eriksson LC

BINDING OF CONCAVALIN A-SEPHAROSE TO GLYCOPROTEINS OF LIVER MICROSOMAL MEMBRANES. Winqvist L, Eriksson LC, Dallner G *FEBS Lett* 42: 27-31, 15 May 74 (Eng)

Erlinger S

INFLUENCE OF GLUCAGON ON CANALICULAR BILE PRODUCTION IN THE DOG. Khedisi A, Dumont M, Duval M, Erlinger S *Biomedicine [Express]* 21: 176-81, 10 Apr 74 (Eng)

Erlon L

[ASPECTS OF AEROBIC RESPIRATION IN THE HEART AND AORTIC WALL IN THE EXPERIMENTAL RABBIT ATHEROSCLEROSIS (AUTHORS TRANSL.) Pinto G, Erlon L, Rodrigues A, Nery JW, Machado AE *Rev Bras Pesqui Med Biol* 7: 133-8, Mar-Apr 74 (Por)

Esfandi F

STEREOSPECIFICITY OF LIPASES. ENZYMIC HYDROLYSIS OF ENANTIOMERIC ALKYL DIACYLGLYCEROLS BY LIPOPROTEIN LIPASE, LINGUAL LIPASE AND PANCREATIC LIPASE. Paltau F, Esfandi F, Holasek A *FEBS Lett* 40: 119-23, 15 Mar 74 (Eng)

Esposito V

[TESTS OF SOMATOTROPIN RESERVE IN OBESITY: RESPONSE OF GH TO STIMULATION WITH L-DOPA AND L-ARGININE] D'Allessandro B, Bellastella A, Esposito V, Gasbarro R *Folia Endocrinol (Roma)* 27: 381-9, Aug 74 (Ita)

Estler CJ

EFFECT OF ESTRADIOL ON LIPOLYSIS AND ADENOSINE 3,5-MONOPHOSPHATE ACCUMULATION IN ISOLATED RAT ADIPO-

CYTES. Mitznegg P, Estler CJ, Schubert E *Biochem Pharmacol* 23: 2337-9, 15 Aug 74 (Eng)

Faloon GR

EFFECT OF INTRAVENOUSLY ADMINISTERED GLUCOSE ON GLUCAGON AND INSULIN SECRETION DURING FAT ABSORPTION. Dobbs R, Faloon GR, Unger RH *Metabolism* 24: 69-75, Jan 75 (Eng)

Famulari A

ALCOHOL AND NERVOUS SYSTEM WITH SPECIAL REFERENCE TO THE ENOLIC NEUROPATHIES. Brage D, Garibaldi MD, Intaglietta J, Buenaventura I, Famulari A *Int J Neurol* 9: 173-85, 1974 (Eng)

Fang P

ORAL DIAZOXIDE IN UNCONTROLLED MALIGNANT HYPERTENSION. Fang P, MacDonald I, Laver M, Hua A, Kincaid-Smith P *Med J Aust* 2: 621-4, 26 Oct 74 (Eng)

ADMINISTRATION, ORAL; CREATININE (blood); DIAZOXIDE (therapeutic use, administration & dosage, adverse effects); EDEMA (chemically induced); FUROSEMIDE (therapeutic use); HUMAN; HYPERTENSION, MALIGNANT (drug therapy, blood); HYPOGLYCEMIA (chemically induced); PARKINSONISM, SYMPTOMATIC (chemically induced); PROPRANOLOL (therapeutic use).

Fauley JJ

THE STEREOSELECTIVE INHIBITION OF LIPOLYSIS BY NONPHENOLIC PHENETHYLAMINES. Fauley JJ, Feller DR, LaPids JB *Eur J Pharmacol* 27: 136-40, Jun 74 (Eng)

RATS; ANIMAL EXPERIMENTS; MALE; IN VITRO; PHENETHYLAMINES (pharmacodynamics); LIPIDS (metabolism, antagonists & inhibitors); MOLECULAR CONFORMATION; STEREOISOMERS; EPHEDRINE (pharmacodynamics); PIPERIDINES (pharmacodynamics); MORPHINANS (pharmacodynamics); DOSE-RESPONSE RELATIONSHIP, DRUG; GLYCERIN (metabolism); OXIDATION-REDUCTION; FORMALDEHYDE (metabolism); ADIPOSE TISSUE (metabolism).

Fawcett CP

THE ADENOHYPHYSIAL RESPONSE TO STRESS AND ITS HYPOTHALAMIC CONTROL. McCann SM, Krulich L, Illner P, Quijada M, Ajika K, Fawcett CP *Adv Exp Med Biol* 33: 157-64, 1972 (Eng)

Fedotov NS

[ISOLATION OF MEMBRANE PREPARATIONS FROM ACHOLEPLASMA LAIDLAWII CELLS AND THEIR TRANSPORT CHARACTERISTICS] Fedotov NS, Panchenko LF, Tarshis MA *Mikrobiologiya* 43: 543-5, 1974 (Rus)

ENGLISH ABSTRACT; MYCOPLASMA LAIDLAWII (cytology, metabolism); CELL MEMBRANE (metabolism); BIOLOGICAL TRANSPORT; CYTOLOGICAL TECHNIQS; CARBON RADIOISOTOPES; TIME FACTORS; GLUCOSE (metabolism); CENTRIFUGATION, DENSITY GRADIENT; MICROPOROUS FILTERS.

Fedotov VP

[SOMATOTROPIC FUNCTION OF THE HYPOPHYSIS. TOLERANCE TESTS AS A METHOD OF EVALUATION OF THE SOMATOTROPIC FUNCTION OF THE HYPOPHYSIS] Sokolov IaA, Vasilenko VV, Fedotov VP *Probl Endocrinol (Mosk)* 20: 16-22, Sep-Oct 74 (Rus)

Feingold DS

BASIS FOR THE SELECTIVITY OF ACTION OF THE POLYMYXIN ANTIBIOTICS ON CELL

Diabetes Literature—Author Index

Fell DA

MEMBRANES. Feingold DS, HsuChen CC, Sud J *Ann NY Acad Sci* 235: 480-92, 10 May 74 (Eng)

POLYMYXIN (pharmacodynamics); CELL MEMBRANE (drug effects); MEMBRANES, ARTIFICIAL; HYDROGEN-ION CONCENTRATION; LIPOSOMES (metabolism); POTASSIUM (metabolism); ERYTHROCYTES (cytology); BIOLOGICAL TRANSPORT (drug effects); PROTEUS MIRABILIS (cytology); POTASSIUM ISOTOPES; RADIOISOTOPES; MOLECULAR CONFORMATION; MUTATION; MODELS, STRUCTURAL; SULFADIAZINE (pharmacodynamics); TIME FACTORS; GLUCOSE (metabolism); ESCHERICHIA COLI (cytology); PHOSPHOLIPIDS; LECITHINS; FATTY ACIDS; AMINES; DOSE-RESPONSE RELATIONSHIP, DRUG.

Fell DA

THE PREPARATION AND PROPERTIES OF PYRUVATE KINASE FROM YEAST. Fell DA, Liddle PF, Peacocke AR, Dwek RA *Biochem J* 139: 665-75, Jun 74 (Eng)

PYRUVATE KINASE (isolation & purification); MOLECULAR WEIGHT; MANGANESE; PROTEIN BINDING; KINETICS; SACCHAROMYCES CEREVISIAE (enzymology); SACCHAROMYCES (enzymology); TEMPERATURE; ELECTROPHORESIS, POLYACRYLAMIDE GEL; ULTRACENTRIFUGATION; DIFFUSION; SPECTROPHOTOMETRY; ELECTRON SPIN RESONANCE; SODIUM DODECYL SULFATE; BENZOATES; SULFIDES.

Feller DR

THE STEREOSELECTIVE INHIBITION OF LIPOLYSIS BY NONPHENOLIC PHENETHYLAMINES. Fauley JJ, Feller DR, LaPidus JB *Eur J Pharmacol* 27: 136-40, Jun 74 (Eng)

Felus E

[INSULIN ANTIBODIES AND THE ACTUAL INSULIN REQUIREMENTS IN CHILDREN AND ADOLESCENTS WITH PRIMARY DIABETES] Karczewska K, Felus E, Panek G, Otto-Buczowska E, Dudziak Z *Med Dosw Mikrobiol* 26: 325-30, 1974 (Pol)

Feng L

THE EFFECTS OF HIGH CARBOHYDRATE DIETS ON HYPERINSULINEMIC MONKEYS (MACACA MULATTA). Hamilton CL, Kuo PT, Feng L *J Med Primatol* 3: 276-84, 1974 (Eng)

Fernandez Echevarria MA

[EFFECT OF GLUCAGON ON THE MUSCUL TONE OF THE DUODENAL WALL. RADIOLOGICAL USEFULNESS] Silvan Delgado M, Juanco Pedregal C, Gonzalez Tutor A, Fernandez Echevarria MA *Rev Esp Enferm Apar Dig* 44: 797-810, 15 Dec 74 (Spa)

Fine S

A FOLLOW-UP OF BLIND DIABETIC PATIENTS. Berkow JW, Patz A, Fine S *Ann Ophthalmol* 7: 79-82, Jan 75 (Eng)

Finer EG

THE STOICHIOMETRY AND DYNAMICS OF LECTHIN-CHOLESTEROL CLUSTERS IN BILAYER MEMBRANES. Phillips MC, Finer EG *Biochim Biophys Acta* 356: 199-206, 31 Jul 74 (Eng)

Finkel ML

[EFFECT OF THE CONDITIONS OF INTRAUTERINE DEVELOPMENT ON THE ESTABLISHMENT OF EXTERNAL RESPIRATION AFTER BIRTH] Poliakova GP, Finkel ML *Akush Ginekol (Mosk)* 141-5, Mar 74 (Rus)

Finkelstein SM

IN VIVO MODELING FOR GLUCOSE HOMEOSTASIS. Finkelstein SM, Bleicher MA, Batthany S, Tiefenbrun J *IEEE Trans Biomed Eng* 22: 47-52, Jan 75 (Eng)

ANIMAL EXPERIMENTS; AUTOANALYSIS; BLOOD SUGAR (metabolism, analysis); DOGS; GLUCOSE (administration & dosage); HOMEOSTASIS; INSULIN (blood, analysis); LIVER (metabolism, physiology); MODELS, BIOLOGICAL; PANCREAS (metabolism, physiology); RADIOIMMUNOASSAY; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Fischer JE

AMINO ACID METABOLISM IN ACUTE RENAL FAILURE: INFLUENCE OF INTRAVENOUS ESSENTIAL L-AMINO ACID HYPERALIMENTATION THERAPY. Abel RM, Shih VE, Abbott WM, Beck CH Jr, Fischer JE *Ann Surg* 180: 350-5, Sep 74 (Eng)

Fisher DA

INSULIN-GLUCAGON SUBSTRATE INTERRELATIONS IN THE FETAL SHEEP. Fiser RH Jr, Erenberg A, Sperling MA, Oh W, Fisher DA *Pediatr Res* 8: 951-5, Dec 74 (Eng)

Fishman LM

PITUITARY APOPLEXY IN ACROMEGALY FOLLOWED BY PARTIAL PITUITARY INSUFFICIENCY. Jacobi JD, Fishman LM, Daroff RB *Arch Intern Med* 134: 559-61, Sep 74 (Eng)

Fitzgerald MG

STUDIES ON WHOLE-BODY POTASSIUM IN NON-KETOACIDOTIC DIABETICS BEFORE AND AFTER TREATMENT. Walsh CH, Soler NG, James H, Fitzgerald MG, Malins JM *Br Med J* 4: 738-40, 28 Dec 74 (Eng)

Fleisher M

CHEMICAL AND CLINICAL EVALUATION OF THE CONTINUOUS-FLOW ANALYZER SMAC. Schwartz MK, Bethune VG, Fleisher M, Pennacchia G, Menendez-Botet CJ, Lehman D *Clin Chem* 20: 1062-70, Aug 74 (Eng)

Fleury G

[THE RISK FACTORS OF CORONARY DISEASE] Di Matteo J, Fleury G *Rev Prat* 24: 5059-60, 5065-6, 5069-71, 7-11 Dec 74 (Fre)

Folkers K

PURIFICATION OF A PROLACTIN INHIBITING HORMONE AND THE REVEALING OF HORMONE D-GHIH WHICH INHIBITS THE RELEASE OF GROWTH HORMONE. Greibrokk T, Currie BL, Johansson NK, Hansen JJ, Folkers K *Biochem Biophys Res Commun* 59: 704-9, 24 Jul 74 (Eng)

Ford EJ

EFFECT OF BETAMETHASONE ON THE PRODUCTION OF GLUCOSE FROM PROPIONATE BY SHEEP. Ford EJ, Winchester JG *J Endocrinol* 62: 51-7, Jul 74 (Eng)

ANIMAL EXPERIMENTS; FEMALE; GLUCOSE (biosynthesis); PROPIONATES (metabolism); BETAMETHASONE (pharmacodynamics, administration & dosage); CARBON RADIOISOTOPES; SHEEP; INJECTIONS, INTRAMUSCULAR; STIMULATION, CHEMICAL; GLUCONEOGENESIS; RUMEN (metabolism); BLOOD SUGAR (metabolism).

Fosset M

INTESTINAL ALKALINE PHOSPHATASE. PHYSICAL PROPERTIES AND QUATERNARY STRUCTURE. Fosset M, Chappet-Tordo D, Lazdunski M *Biochemistry* 13: 1783-8, 23 Apr 74 (Eng)

CATTLE; ALKALINE PHOSPHATASE (analysis, metabolism, isolation & purification, antagonists & inhibitors); INTESINES (enzymology);

KINETICS; ULTRACENTRIFUGATION; GLYCOPROTEINS (analysis); DIALYSIS; CHROMATOGRAPHY, DEAE-CELLULOSE; GEL FILTRATION; MOLECULAR WEIGHT; PHOSPHORUS RADIOISOTOPES; ISOTOPE LABELING; MACROMOLECULAR SYSTEMS; DRUG STABILITY; ELECTROPHORESIS, DISC; AMINO ACIDS (analysis); ZINC (analysis); HYDROGEN-ION CONCENTRATION; EDTA (pharmacodynamics); OPTICAL ROTATORY DISPERSION; CARBOHYDRATES (analysis).

Fotherby K

CARBOHYDRATE METABOLISM IN RAT UTERUS DURING THE OESTROUS CYCLE. Greenstreet R, Fotherby K *Steroids Lipids Res* 4: 341-50, 1973 (Eng)

Frahm H

[MULTIPLE OSTEONECROSIS WITH TYPE IV HYPERLIPOPROTEINEMIA (AUTHORS TRANSL.)] Zsarnaviczky J, von Torklus D, Wilke H, Frahm H *Z Orthop* 112: 1112-8, Oct 74 (Ger)

Francis-Williams J

VERY LOW BIRTHWEIGHT AND LATER INTELLIGENCE. Francis-Williams J, Davies PA *Dev Med Child Neurol* 16: 709-28, Dec 74 (Eng)

APNEA (complications); BIRTH WEIGHT; CAUCASIAN RACE; FEMALE; FERTILITY; FETAL DISEASES (complications); GESTATIONAL AGE; HUMAN; HYPERBILIRUBINEMIA (complications); HYPERTENSION (complications); HYPOGLYCEMIA (complications); INFANT, NEWBORN; INFANT, PREMATURE; INTELLIGENCE; LABOR PRESENTATION; MENTAL RETARDATION (etiology); NEGROID RACE; OXYGEN INHALATION THERAPY (adverse effects); PREGNANCY COMPLICATIONS, HEMATOLOGIC; PREGNANCY TOXEMIAS (complications); PREGNANCY; PREGNANCY, MULTIPLE; RESPIRATORY DISTRESS SYNDROME (complications); SEX FACTORS; SOCIAL CLASS.

Franzke C

[STUDIES ON THE GLYCERIDE STRUCTURE OF FATS. 6. STUDIES WITH SYNTHETIC TRIGLYCERIDES ON THE FATTY ACIDS SPECIFICITY OF LIPASE OF GEOTRICHUM CANDIDUM] Franzke C, Kroll J, Petzold R *Nahrung* 17: 171-84, 1973 (Ger)

ENGLISH ABSTRACT; TRIGLYCERIDES (analysis); FATTY ACIDS (analysis); LIPASE; DEUTEROMYCETES (enzymology); OLEIC ACID (analysis); HYDROLYSIS; MARGARINE (analysis); LINOLEIC ACID (analysis); LINOLENIC ACID (analysis); CHROMATOGRAPHY, THIN LAYER; PALMITIC ACID (analysis); ISOMERISM; STEREOISOMERS.

Fraser R

PROCEEDINGS: FAMILIAL GLUCOCORTICOID DEFICIENCY. Thistlethwaite D, Darling JA, Fraser R, Rees LH, Harkness RA *J Endocrinol* 63: 48p-49p, Nov 74 (Eng)

Fraser TR

MODE OF INSULIN ACTION. Kissebah AH, Tulloch BR, Hope-Gill H, Clarke PV, Vydellingum N, Fraser TR *Lancet* 1: 144-7, 18 Jan 75 (Eng)

Freeman H

LETTER: THERAPY OF LACTIC ACIDOSIS. Freeman H, Campbell D *N Engl J Med* 292: 263-4, 30 Jan 75 (Eng)

ACIDOSIS, DIABETIC (drug therapy); AGED; BICARBONATES (therapeutic use, administration & dosage); FEMALE; GLUCOSE (therapeutic use, administration & dosage); HUMAN; INSULIN (therapeutic use, administration & dosage); LACTATES (blood); SODIUM (therapeutic use, administration & dosage).

Freinkel N

CARBOHYDRATE METABOLISM IN PREGNANCY. XII. THE EFFECT OF ORAL GLUCOSE ON PLASMA CONCENTRATIONS OF HUMAN PLACENTAL LACTOGEN AND CHORIONIC GONADOTROPIN DURING LATE PREGNANCY IN NORMAL SUBJECTS AND GESTATIONAL DIABETICS. Surmaczynska BZ, Nitzan M, Metzger BE, Freinkel N *Isr J Med Sci* 10: 1481-6, Dec 74 (Eng)

Freytag G

IMMUNE INSULITIS AND MANIFEST DIABETES MELLITUS. STUDIES ON THE COURSE OF IMMUNE INSULITIS AND THE INDUCTION OF DIABETES MELLITUS IN RABBITS IMMUNIZED WITH INSULIN. Kloppe G, Altenahr E, Freytag G, Jansen FK *Virchows Arch [Pathol Anat]* 364: 333-46, 1974 (Eng)

Friedman GJ

PHYSICIANS GUIDELINES FOR THE DIABETIC IN INDUSTRY. Alexander RW, Tetric L, Friedman GJ *J Occup Med* 16: 802-3, Dec 74 (Eng)

Froesch ER

EFFECTS OF HORMONES ON CYCLIC AMP RELEASE FROM RAT ADIPOSE TISSUE IN VITRO. Zumstein P, Zapf J, Froesch ER *FEBS Lett* 49: 65-9, 1 Dec 74 (Eng)

Frohnert PP

PROXIMAL TUBULAR LACTATE TRANSPORT IN RAT KIDNEY: A MICROPUNCTURE STUDY. Hohmann B, Frohnert PP, Kinne R, Baumann K *Kidney Int* 5: 261-70, Apr 74 (Eng)

Frosstrom J

SERUM GROWTH HORMONE (GH) AND INSULIN (IRI) AFTER ORAL GLUCOSE IN SUBJECTS WITH RENAL FAILURE. Viljanen MK, Nousiainen R, Kasanen A, Frosstrom J *Ann Clin Res* 6: 266-71, Oct 74 (Eng)

Fujimori K

MECHANISMS OF HYPERGLYCEMIC RESPONSE TO CHLORPROMAZINE ADMINISTERED INTO LATERAL VENTRICLE IN RATS. I. POSSIBLE ROLE OF DOPAMINERGIC NERVOUS SYSTEM. Fujimori K, Iwamoto T *Neuropharmacology* 13: 245-54, Apr 74 (Eng)

RATS; ANIMAL EXPERIMENTS; MALE; CHLORPROMAZINE (pharmacodynamics, administration & dosage, antagonists & inhibitors); BLOOD SUGAR (analysis); DOPAMINE (physiology, pharmacodynamics, analysis, antagonists & inhibitors); TIME FACTORS; BRAIN CHEMISTRY (drug effects); DIBENAMINE (pharmacodynamics); TOLAZOLINE (pharmacodynamics); PROPRANOLOL (pharmacodynamics); DRUG INTERACTIONS; NOREPINEPHRINE (pharmacodynamics, analysis); DOPA (pharmacodynamics); PHENYLEPHRINE (pharmacodynamics); STIMULATION, CHEMICAL; SEROTONIN (pharmacodynamics, analysis); INJECTIONS; CEREBRAL VENTRICLES; THIOCARBAMATES (pharmacodynamics); HYDROXYDOPAMINE (pharmacodynamics); METHYLTYROSINES (pharmacodynamics); RESERPINE (pharmacodynamics).

MECHANISMS OF HYPERGLYCEMIC RESPONSE TO CHLORPROMAZINE ADMINISTERED INTO LATERAL VENTRICLE IN RATS. II. SECRETION OF EPINEPHRINE FROM ADRENAL MEDULLA. Fujimori K, Iwamoto T *Neuropharmacology* 13: 255-60, Apr 74 (Eng)

RATS; ANIMAL EXPERIMENTS; MALE; CHLORPROMAZINE (pharmacodynamics, administration & dosage); BLOOD SUGAR

(analysis); EPINEPHRINE (secretion, pharmacodynamics); ADRENAL MEDULLA (secretion, physiology); CEREBRAL VENTRICLES; INJECTIONS; ADRENAL CORTEX HORMONES (blood); PROPRANOLOL (pharmacodynamics); HYPOPHYSECTOMY; PITUITARY GLAND (physiology); DEXAMETHASONE (pharmacodynamics); HEXAMETHONIUM COMPOUNDS (pharmacodynamics); TIME FACTORS; STIMULATION, CHEMICAL; ADRENALECTOMY.

Fujimoto WY

SOMATOSTATIN INHIBITS INSULIN AND GLUCAGON RELEASE BY MONOLAYER CELL CULTURES OF RAT ENDOCRINE PANCREAS. Fujimoto WY, Ensink JW, Williams RH *Life Sci* 15: 1999-2004, 1 Dec 74 (Eng)

ANIMAL EXPERIMENTS; ANIMALS, NEWBORN; ANTIGENS; ARGININE (pharmacodynamics); BINDING SITES; CELLS, CULTURED; DEPRESSION, CHEMICAL; GLUCAGON (metabolism, immunology); INSULIN (metabolism, immunology); ISLANDS OF LANGERHANS (metabolism); PANCREAS (metabolism, drug effects); PEPTIDES (pharmacodynamics); RATS; SOMATOTROPIN RELEASING HORMONE (antagonists & inhibitors); TISSUE CULTURE; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Fukuma M

ELECTRON MICROSCOPE STUDIES ON THE GRANULE RELEASE FROM THE RAT PANCREATIC B-CELLS IN ORGAN CULTURE. Fukuma M *J Electron Microscop* (Tokyo) 23: 167-83, 1974 (Eng)

ANIMAL EXPERIMENTS; CYTOPLASMIC GRANULES (ultrastructure); EXOCYTOSIS; INSULIN (secretion); ISLANDS OF LANGERHANS (ultrastructure, secretion); MICROSCOPY, ELECTRON; MODELS, BIOLOGICAL; ORGAN CULTURE; RATS.

Fukuuchi Y

CEREBRAL METABOLIC EFFECTS OF GLYCEROL INFUSION IN DIABETICS WITH STROKE. Meyer JS, Shimazu K, Ouchi T, Okamoto S, Koto A, Fukuuchi Y, Ericsson AD *J Neurol Sci* 21: 1-22, Jan 74 (Eng)

Fulco AJ

METABOLIC ALTERATIONS OF FATTY ACIDS. Fulco AJ *Annu Rev Biochem* 43: 215-41, 1974 (Eng) [258]

REVIEW; CATTLE; RATS; ANIMAL EXPERIMENTS; FATTY ACIDS, UNSATURATED (metabolism, biosynthesis); FATTY ACIDS (metabolism); BACTERIA (metabolism); SPECIES SPECIFICITY; FUNGI (metabolism); ALGAE (metabolism); PLANTS (metabolism); FATTY ACID DESATURASES (metabolism); MICROSOMES, LIVER (enzymology); CYTOCHROME P-450 (metabolism); CHICKENS; SUPEROXIDE DISMUTASE (metabolism); MAMMAE (enzymology); ORGAN SPECIFICITY; OXIDOREDUCTASES (metabolism); CARBON RADIOISOTOPES, OXIDATION-REDUCTION; FLAVOPROTEINS (metabolism); COENZYME A (metabolism); FERREDOXINS (metabolism); HYDROXYLATION.

Fuller DJ

PROCEEDINGS: INSULIN AND TESTOSTERONE RESPONSES IN CULTURED PROSTATE. Fuller DJ, Coleshill SM, Chan KM, Thomas GH *J Endocrinol* 63: 59p, Nov 74 (Eng)

ANIMAL EXPERIMENTS; INSULIN (pharmacodynamics); LEUCINE (metabolism); MALE; ORGAN CULTURE; PROSTATE (drug effects, metabolism); RATS; TESTOSTERONE (pharmacodynamics).

Furusho K

[HYPERACTIVITY OF THE BETA-RECEPTOR IN CHILDREN--WITH SPECIAL REFERENCE TO PERIODIC VOMITING (SO-CALLED AUTOTOXICATION) AND ORTHOSTATIC DYSREGULATION] Furusho K, Muraishi K, Sato K, Noda C *Jpn J Clin Med* 32: 2907-18, Sep 74 (Jpn)

BLOOD SUGAR (analysis); CHILD; EPINEPHRINE (diagnostic use); FATTY ACIDS, NONESTERIFIED (blood); GLUCOSE TOLERANCE TEST; HUMAN; HYPOTENSION, ORTHOSTATIC (metabolism, blood); INSULIN (blood); PERIODICITY; RECEPTORS, ADRENERGIC; VOMITING (metabolism, blood).

Futterman S

EDITORIAL: THE CELL CYCLE, DIABETES, AND THE RETINA. Futterman S *Invest Ophthalmol* 14: 4-6, Jan 75 (Eng)

ANIMAL EXPERIMENTS; CELL DIVISION; CELL SURVIVAL; DIABETES MELLITUS (pathology); DIABETIC RETINOPATHY (pathology); ENDOTHELIUM (cytology); MICE; RETINAL VESSELS (pathology).

Gabbay KH

VESICULAR BINESIS: GLUCOSE EFFECT ON INSULIN SECRETORY VESICLES. Gabbay KH, Korff J, Schneeberger EE *Science* 187: 177-9, 19 Jan 75 (Eng)

ANIMAL EXPERIMENTS; CYTOPLASMIC GRANULES (drug effects); EXOCYTOSIS (drug effects); GLUCOSE (pharmacodynamics); INSULIN (secretion); ISLANDS OF LANGERHANS (secretion, ultrastructure); MEMBRANES (drug effects); MICROSCOPY, ELECTRON; RATS; SECRETORY RATE (drug effects); STIMULATION, CHEMICAL; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Gabe I

AORTIC VELOCITY AND ACCELERATION MEASUREMENTS IN THE ASSESSMENT OF CORONARY HEART DISEASE. Jewitt D, Gabe I, Mills C, Maurer B, Thomas M, Shillingford J *Eur J Cardiol* 1: 299-305, Mar 74 (Eng)

Gadian DG

NUCLEAR MAGNETIC RESONANCE STUDIES ON SUBSTRATE BINDING TO PHOSPHOGLUCOMUTASE. Gadian DG, Radda GK, Richards RE *Biochim Biophys Acta* 358: 57-68, 17 Jul 74 (Eng)

NUCLEAR MAGNETIC RESONANCE; BINDING SITES; PHOSPHOGLUCOMUTASE (isolation & purification, analysis); MANGANESE (pharmacodynamics); PROTEIN BINDING; GLUCOSEPHOSPHATES; DEUTERIUM; KINETICS; TEMPERATURE.

Gajdos M

EFFECT OF THE INHIBITOR OF GLUCOSE UTILIZATION, ISOLATED FROM SERUM OF PATIENTS IN UREMIA, UPON MORPHOLOGY AND MEMBRANE PERMEABILITY OF ERYTHROCYTES (AUTHORS TRANSL.) Gajdos M, Dzurik R *Bratisl Lek Listy* 62: 29-34, 1974 (Slo)

ENGLISH ABSTRACT; HUMAN; GLUCOSE (antagonists & inhibitors); UREMIA (blood); CELL MEMBRANE PERMEABILITY; ERYTHROCYTES (metabolism, enzymology); ACID PHOSPHATASE (blood); LACTATE DEHYDROGENASE (blood).

Galand C

A MUTANT OF HUMAN RED CELL PYRUVATE KINASE WITH HIGH AFFINITY FOR PHOSPHOENOLPYRUVATE. Boivin P, Galand C *Enzyme* 18: 37-47, 1974 (Eng)

Diabetes Literature—Author Index

Galand C

Galbo H

GLUCAGON AND PLASMA CATECHOLAMINE RESPONSES TO GRADED AND PROLONGED EXERCISE IN MAN. Galbo H, Holst JJ, Christensen NJ *J Appl Physiol* 38: 70-6, Jan 75 (Eng)

ADULT; BLOOD SUGAR; EPINEPHRINE (blood); EXERTION; FATTY ACIDS; NONESTERIFIED (blood); GLUCAGON (blood); HEART RATE; HEMATOCRIT; HUMAN; INSULIN (blood); LACTATES (blood); MALE; NOREPINEPHRINE (blood); OXYGEN CONSUMPTION; TIME FACTORS.

Galla HJ

LATERAL DIFFUSION IN THE HYDROPHOBIC REGION OF MEMBRANES: USE OF PYRENE EXCIMER AS OPTICAL PROBES. Galla HJ, Sackmann E *Biochim Biophys Acta* 339: 103-15, 26 Feb 74 (Eng)

MEMBRANES, ARTIFICIAL; PYRENES; DIFFUSION; MODELS, BIOLOGICAL; LECITHINS; CHOLESTEROL; PALMITIC ACID; CALORIMETRY; THERMODYNAMICS; TEMPERATURE; SPECTROMETRY; FLUORESCENCE; MATHEMATICS; CRYSTALLIZATION.

Galton DJ

HORMONAL CONTROL OF LIPOLYSIS. Galton DJ *Proc R Soc Med* 67: 661-2, Jun 74 (Eng)

INFANT; HUMAN; LIPIDS (metabolism); ADIPOSE TISSUE (metabolism, enzymology); EPINEPHRINE (physiology); ADENYL CYCLASE (metabolism); ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); PROTEIN KINASE (metabolism); LIPASE (metabolism); TRIGLYCERIDES (metabolism); FATTY ACIDS (biosynthesis); PHOSPHODIESTERASES (metabolism); LIPOIDOSIS (metabolism); PROSTAGLANDINS (metabolism); ENZYME ACTIVATION.

Gamble DR

THE DEVELOPMENT OF DIABETES FOLLOWING COXSACKIE B VIRUS INFECTION IN MICE. Coleman TJ, Taylor KW, Gamble DR *Diabetologia* 10: 755-9, Dec 74 (Eng)

PROCEEDINGS: VIRAL AND EPIDEMIOLOGICAL STUDIES. Gamble DR *J Clin Pathol* 27: 929, Nov 74 (Eng)

AGE FACTORS; CHILD; CHILD, PRESCHOOL; DIABETES MELLITUS, JUVENILE (etiology); ENVIRONMENTAL EXPOSURE; HUMAN; SCHOOL HEALTH; SOCIAL ENVIRONMENT; SOCIOECONOMIC FACTORS; STRESS; PSYCHOLOGICAL; VIRUS DISEASES (complications).

Gancedo C

SPECIFIC INACTIVATION OF FRUCTOSE 1,6-BISPHOSPHATASE FROM SACCHAROMYCES CEREVISIAE BY A YEAST PROTEASE. Molano J, Gancedo C *Eur J Biochem* 44: 213-17, 2 May 74 (Eng)

Ganote CE

THE NATURE OF D-SERINE-INDUCED NEPHROTOXICITY. Ganote CE, Peterson DR, Carone FA *Am J Pathol* 77: 269-82, Nov 74 (Eng)

ANIMAL EXPERIMENTS; CYTOPLASM (ultrastructure); DIFFUSION; EPITHELIAL CELLS (ultrastructure); GLYCOSURIA (chemically induced); KIDNEY FAILURE, ACUTE (chemically induced); KIDNEY TUBULAR NECROSIS, ACUTE (chemically induced, metabolism); KIDNEY TUBULES (drug effects, ultrastructure, metabolism); MALE; MICROBODIES (ultrastructure); MICROSCOPY, ELECTRON; MITOCHONDRIA (ultrastructure); POLYRIBOSOMES (ultrastructure); PROTEINS (metabolism); PROTEINURIA (chemically induced); RATS; REGENERATION; RIBOSOMES (ultrastructure); SERINE; TIME FACTORS.

Garcia-Leme J

POSSIBLE PARTICIPATION OF INSULIN IN THE CONTROL OF VASCULAR PERMEABILITY. Garcia-Leme J, Bohm GM, Migliorini RH, de Souza MZ *Eur J Pharmacol* 29: 298-306, Dec 74 (Eng)

ADRENAL GLANDS (physiology); ADRENALECTOMY; ALLOXAN DIABETES (physiopathology); ANIMAL EXPERIMENTS; BLOOD SUGAR (analysis); CAPILLARY PERMEABILITY (drug effects); CARRAGEENAN; DEXTRAN; EDEMA (chemically induced); ELECTRIC STIMULATION; HISTAMINE (pharmacodynamics); INSULIN (physiology); MALE; MICROSCOPY, ELECTRON; NEURONS (drug effects); PENTOBARBITAL (pharmacodynamics); RATS; SKIN (ultrastructure); STAINS AND STAINING.

Garibaldi MD

ALCOHOL AND NERVOUS SYSTEM WITH SPECIAL REFERENCE TO THE ENOLIC NEUROPATHIES. Brage D, Garibaldi MD, Intaglietta J, Buenaventura I, Famulari A *Int J Neurol* 9: 173-85, 1974 (Eng)

Gasbarro R

[TESTS OF SOMATOTROPIN RESERVE IN OBESITY: RESPONSE OF GH TO STIMULATION WITH L-DOPA AND L-ARGININE] DAlessandro B, Bellastella A, Eposito V, Gasbarro R *Folia Endocrinol (Roma)* 27: 381-9, Aug 74 (Ita)

Gassenheimer LN

INFLUENCE OF FORCED VENTILATION ON SUBSTRATE METABOLISM IN THE PERFUSED RAT LUNG. Gassenheimer LN, Rhoades RA *J Appl Physiol* 37: 224-7, Aug 74 (Eng)

RATS; ANIMAL EXPERIMENTS; MALE; RESPIRATION; LUNG (metabolism); GLUCOSE (metabolism); PALMITIC ACID (metabolism); PERFUSION; BICARBONATES; BUFFERS; FATTY ACIDS (metabolism); LACTATES (biosynthesis); GLYCOGEN (metabolism); ADENOSINE TRIPHOSPHATE (metabolism); TRITIUM; LIPIDS (biosynthesis); CARBON RADIOISOTOPES; OXIDATION-REDUCTION.

Gee JB

GLUCOSE OXIDATION IN ALVEOLAR MACROPHAGES: PHARMACOLOGIC FEATURES. Gee JB, Khandwala AS, McKeever PE, Malawista SE *J Reticuloendothel Soc* 15: 387-93, May 74 (Eng)

RABBITS; ANIMAL EXPERIMENTS; IN VITRO; PULMONARY ALVEOLI (cytology, drug effects); MACROPHAGES (metabolism, drug effects); SYMPATHOMIMETICS (pharmacodynamics); PHAGOCYTOSIS (drug effects); GLUCOSE (metabolism); CARBON RADIOISOTOPES; OXIDATION-REDUCTION; CARBON DIOXIDE (biosynthesis); STAPHYLOCOCCUS (metabolism); THEOPHYLLINE (pharmacodynamics); PROSTAGLANDINS (pharmacodynamics); DIBUTYRYL CYCLIC AMP (pharmacodynamics); EPINEPHRINE (pharmacodynamics); ISOPROTERENOL (pharmacodynamics); PROPANOLOL (pharmacodynamics).

Genes SG

[ADAPTIVE IMPORTANCE OF GLUCONEOGENESIS IN HEALTHY AND DISEASED BODY (REVIEW)] Genes SG *Patol Fiziol Eksp Ter* 74-81, Nov-Dec 74 (Rus) [81]

ACIDOSIS (etiology, metabolism); ADAPTATION, PHYSIOLOGICAL; AMINO ACIDS (metabolism); BLOOD SUGAR (analysis); BRAIN (metabolism); DIABETES MELLITUS (metabolism); ENERGY METABOLISM; EXERTION; FASTING; FATTY ACIDS;

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George JC

EFFECT OF EXERCISE ON LEVELS OF PLASMA GROWTH HORMONE, FREE FATTY ACIDS, AND GLUCOSE IN THE PIGEON. McKeown BA, John TM, George JC *Arch Int Physiol Biochim* 82: 55-62, Feb 74 (Eng)

Georgieva SI

[BIOSYNTHESIS OF GLYCOSYLTRANSFERASE BY ENDOMYCOPIS FIBULIGERA IN SUBMERGED CULTURE] Veselov Ila, Georgieva SI, Gracheva IM, Sadov AI *Mikrobiologiya* 43: 395-9, 1974 (Rus)

Gerritsen WJ

POLYENE ANTIBIOTIC-STEROL INTERACTIONS IN MEMBRANES OF ACHOLEPLASMA LAIDLAWII CELLS AND LECITHIN LIPOSOMES. I. SPECIFICITY OF THE MEMBRANE PERMEABILITY CHANGES INDUCED BY THE POLYENE ANTIBIOTICS. Kruijff B de, Gerritsen WJ, Oerlemans A, Demel RA, Deenen LL van *Biochim Biophys Acta* 339: 30-43, 26 Feb 74 (Eng)

POLYENE ANTIBIOTIC-STEROL INTERACTIONS IN MEMBRANES OF ACHOLEPLASMA LAIDLAWII CELLS AND LECITHIN LIPOSOMES. II. TEMPERATURE DEPENDENCE OF THE POLYENE ANTIBIOTIC-STEROL COMPLEX FORMATION. Kruijff B de, Gerritsen WJ, Oerlemans A, Dijk PW van, Demel RA, Deenen LL van *Biochim Biophys Acta* 339: 44-56, 26 Feb 74 (Eng)

Gershon E

FURTHER EVIDENCE FOR THE MULTIPLICITY OF CARRIERS FOR FREE GLUCALOGUES IN HAMSTER SMALL INTESTINE. Honegger P, Gershon E *Biochim Biophys Acta* 352: 127-34, 30 May 74 (Eng)

Gerstenbrand F

[URAEIC POLYNEUROPATHY AFTER RENAL TRANSPLANTATION (AUTHORS TRANSL.)] Mamoli B, Kopsa H, Gerstenbrand F, Kotzauk R, Pateisky K *J Neurol* 208: 63-9, 1974 (Ger)

Gertler MM

THE ASSESSMENT OF INSULIN, GLUCOSE AND LIPIDS IN ISCHEMIC THROMBOTIC CEREBROVASCULAR DISEASE. Gertler MM, Leetma HE, Koutrouby RJ, Johnson ED *Stroke* 6: 77-84, Jan-Feb 75 (Eng)

AGED; BLOOD PRESSURE; CEREBRAL EMBOLISM AND THROMBOSIS (metabolism); CEREBRAL ISCHEMIA, TRANSIENT (metabolism); FATTY ACIDS, NONESTERIFIED (metabolism); GLUCOSE TOLERANCE TEST; GLUCOSE (metabolism); HUMAN; INSULIN (metabolism); LIPIDS (metabolism); LIPOPROTEINS (metabolism); MALE; MIDDLE AGE; RISK; TRIGLYCERIDES (metabolism); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; URIC ACID (metabolism).

Ghai RD

EFFECT OF GLUCOSE LOADING ON SERUM GLYCOPROTEINS. Ghai RD, Pai ML, Shah CP, Srinivasan S *J Assoc Physicians India* 22: 597-600, Aug 74 (Eng)

BLOOD SUGAR (metabolism); DIABETES MELLITUS (metabolism, blood, drug therapy); GLUCOSE (metabolism); GLYCOPROTEINS (blood); HUMAN; PHENFORMIN (therapeutic use).

Ghirardi P

[DIGESTION, ABSORPTION AND DISTRIBUTION OF DIETARY LIPIDS] Ghirardi P, Marzo A *Recent Prog Med (Roma)* 53: 552-64, Dec 72 (Ita)
ENGLISH ABSTRACT; HUMAN; DIGESTION; DIETARY FATS (metabolism); INTESTINAL ABSORPTION; SURFACE-ACTIVE AGENTS; FATTY ACIDS, NONESTERIFIED (metabolism); LIPOPROTEINS (metabolism); TRIGLYCERIDES (metabolism); LIPIDS (metabolism).

Giannone E

GLYCOSYLTRANSFERASES IN CANINE RESPIRATORY TISSUE. ALTERATIONS IN AN EXPERIMENTALLY INDUCED HYPERSECRETORY STATE. Baker AP, Chakrin LW, Sawyer JL, Munro JR, Hillegass LM, Giannone E *Biochem Med* 10: 387-99, Aug 74 (Eng)

Gibson MA

HISTOGENESIS OF THE ISLETS OF LANGERHANS IN MALATHION-TREATED CHICK EMBRYOS. Arsenaault AL, Gibson MA *Can J Zool* 52: 1541-4, Dec 74 (Eng)

Gillarreau C

LIPOTROPIC AND ADRENOCORTICOTROPIC HORMONES. BIOLOGICAL ACTIVITIES OF THE CARBOXYL-MODIFIED HORMONES. Gillarreau C, Chretien M, Lis M *Can J Physiol Pharmacol* 52: 723-6, Jun 74 (Eng)
RABBITS; RATS; ANIMAL EXPERIMENTS; LIPOTROPIN (pharmacodynamics); CORTICOTROPIN (pharmacodynamics); SHEEP; ESTERS; TAURINE; AMINO ACIDS (analysis); HYDROLYSIS; DOSE-RESPONSE RELATIONSHIP; DRUG; GLYCINE; CARBODIMIDES; STRUCTURE-ACTIVITY RELATIONSHIP; BIOLOGICAL ASSAY; ADRENAL GLANDS (drug effects).

[IN VITRO BIOSYNTHESIS OF BOVINE BETA-LIPOTROPIC HORMONE] Bertagna X, Lis M, Gillarreau C, Chretien M *Can J Biochem* 52: 349-58, May 74 (Fre)

Gilbert F

RACIAL VARIATION IN DIABETES MELLITUS IN JAPANESE AND CAUCASIANS LIVING IN HAWAII. Goodman MJ, Chung CS, Gilbert F *J Med Genet* 11: 328-34, Dec 74 (Eng)

Ginestet A

[METABOLISM OF THE MYOCARDIUM IN MAN] Bertrand ME, Carre A, Ginestet A, Warcmbourg H *Arch Mal Coeur* 67: 409-11, Apr 74 (Fre)

Gjesdal K

MULTIPHASIC SCREENING PROGRAMME FOR SOMATIC DISEASES AMONG ELDERLY LONG-TERM PSYCHIATRIC PATIENTS. Gjesdal K, Stromme JH *Br J Psychiatry* 124: 564-72, Jun 74 (Eng)
ADULT; MIDDLE AGE; AGED; HUMAN; MALE; FEMALE; MENTAL DISORDERS (complications); MULTIPHASIC SCREENING; IRON (blood); HEMATOCRIT; FOLIC ACID (blood); BLOOD SUGAR; BLOOD PROTEINS (analysis); UREA (blood); CREATININE (blood); URINARY TRACT INFECTIONS (diagnosis); THORACIC RADIOGRAPHY; TOOTH DISEASES (diagnosis); ASPARTATE AMINOTRANSFERASE (blood); LACTATE DEHYDROGENASE (blood); CREATINE KINASE (blood); HOSPITALS; PSYCHIATRIC; HYPOPROTEINEMIA (diagnosis); JAUNDICE (diagnosis); LIPIDS (blood); BILIRUBIN (blood).

Glatzel H

[HOW ESSENTIAL ARE THE ESSENTIAL FATTY ACIDS] Glatzel H *Z Allgemeinmed* 50: 970-80, 10 Aug 74 (Ger) [120]

REVIEW; INFANT, NEWBORN; INFANT; ADULT; DOGS; GUINEA PIGS; RABBITS; ANIMAL EXPERIMENTS; HUMAN; MALE; FATTY ACIDS, ESSENTIAL (administration & dosage); LINOLEIC ACID (administration & dosage); INFANT NUTRITION; INFANT NUTRITION DISORDERS (etiology); DEFICIENCY DISEASES (etiology); ECZEMA (etiology); RATS; SWINE; BIRDS; MILK; MILK, HUMAN; AGE FACTORS; LIPIDS (blood); NUTRITIONAL REQUIREMENTS; PARENTAL FEEDING; NUTRITION; ANIMAL FEED.

Gleason RE

THE EFFECT OF GLUCOSE ANOMERS UPON INSULIN AND GLUCAGON SECRETION. Rossini AA, Soeldner JS, Hiebert JM, Weir GC, Gleason RE *Diabetologia* 10: 795-9, Dec 74 (Eng)

ENDOGENOUS AND EXOGENOUS INSULIN RESPONSES IN PATIENTS WITH CYSTIC FIBROSIS. Wilmshurst EG, Soeldner JS, Holsclaw DS, Kaufmann RL, Shwachman H, Aoki TT, Gleason RE *Pediatrics* 55: 75-82, Jan 75 (Eng)

Glennier GG

BETA-PLATED SHEET FIBRILS. A COMPARISON OF NATIVE AMYLOID WITH SYNTHETIC PROTEIN FIBRILS. Glennier GG, Eanes ED, Bladen HA, Linke RP, Termine JD *J Histochem Cytochem* 22: 1141-58, Dec 74 (Eng)
AMYLOID; ANIMAL EXPERIMENTS; BENGE JONES PROTEIN; BIREFRINGENCE; COMPARATIVE STUDY; DUCKS; GLUCAGON; HUMAN; INSULIN; KERATIN; MICE; MICROSCOPY, ELECTRON; PROTEIN CONFORMATION; SPECTROPHOTOMETRY, INFRARED; X-RAY DIFFRACTION.

Gliemann J

THE INFLUENCE OF BODY WEIGHT AND CELL SIZE ON LIPOGENESIS AND LIPOLYSIS OF ISOLATED RAT FAT CELLS. Hansen FM, Nielsen JH, Gliemann J *Eur J Clin Invest* 4: 411-8, 5 Dec 74 (Eng)

Gnauck G

[BEHAVIOR OF THE FATTY ACID PATTERN OF TRIGLYCERIDES IN LIVER PARENCHYMA AND DEPOT FATS IN DIABETIC PATIENTS IN RELATION TO FATTY LIVER] Singer P, Gnauck G, Thoele H, Honigsmann G, Buntrock P, Kettler LH *Dtsch Z Verdau Stoffwechselkr* 34: 27-35, 1974 (Ger)

Godel E

[QUANTITATION OF DIABETIC DISTURBANCES OF PLACENTAL MATURATION (AUTHORS TRANSL.)] Emmrich P, Godel E, Muller G *Pathol Microbiol (Basel)* 41: 253-65, 1974 (Ger)

[CLINICAL PARAMETERS OF PLACENTAL EDEMA IN MATERNAL DIABETES MELLITUS] Emmrich P, Godel E, Amendt P *Zentralbl Gynaekol* 96: 1393-8, 1 Nov 74 (Ger)

Goldberg ND

CYCLIC GUANOSINE 3:5-MONOPHOSPHATE IN ESCHERICHIA COLI AND BACILLUS LICHENIFORMIS. Bernlohr RW, Haddox MK, Goldberg ND *J Biol Chem* 249: 4329-31, 10 Jul 74 (Eng)

Goldman JA

GLUCOSE TOLERANCE IN MOTHERS OF OFFSPRING WITH CONGENITAL MALFORMATIONS. Goldman JA *Isr J Med Sci* 10: 1434-7, Nov 74 (Eng)
ABNORMALITIES (occurrence); ADULT; EVALUATION STUDIES; FEMALE; GLUCOSE TOLERANCE TEST; HUMAN; INFANT, NEWBORN; ISRAEL; PREGNANCY IN DIABETES; PREGNANCY COMPLICATIONS; PREGNANCY.

Gonzalez Tutor A

[EFFECT OF GLUCAGON ON THE MUSCULOTONE OF THE DUODENAL WALL. RADIOLOGICAL USEFULNESS] Silvan Delgado M, Juanco Pedregal C, Gonzalez Tutor A, Fernandez Echevarria MA *Rev Esp Enferm Apar Dig* 44: 797-810, 15 Dec 74 (Spa)

Goodman MJ

RACIAL VARIATION IN DIABETES MELLITUS IN JAPANESE AND CAUCASIANS LIVING IN HAWAII. Goodman MJ, Chung CS, Gilbert F *J Med Genet* 11: 328-34, Dec 74 (Eng)
ADULT; ASPARTATE AMINOTRANSFERASE (blood); BLOOD PRESSURE; BLOOD SUGAR (analysis); CAUCASIAN RACE; COMPARATIVE STUDY; DIABETES MELLITUS (familial & genetic); DIET; FEMALE; GLUCOSE TOLERANCE TEST; HAWAII; HUMAN; JAPAN (ethnology); MALE; MIDDLE AGE; MONGOLOID RACE; RISK; VARIATION (GENETICS).

Goodwin PM

LETTER: DOPAMINE-BETA-HYDROXYLASE AND SYMPATHO-ADRENAL ACTIVITY. Goodwin PM, Harrop J, Marks V *Lancet* 1: 170-1, 18 Jan 75 (Eng)
ADRENAL GLANDS (physiopathology); CATECHOLAMINES (blood); DOPAMINE BETA HYDROXYLASE (blood); DRUG TOLERANCE; ENZYME TESTS; GLUCAGON (diagnostic use); HUMAN; INSULIN (diagnostic use); SYMPATHETIC NERVOUS SYSTEM (physiopathology).

Gosalvez M

COMPETITION FOR ADP BETWEEN PYRUVATE KINASE AND MITOCHONDRIAL OXIDATIVE PHOSPHORYLATION AS A CONTROL MECHANISM IN GLYCOLYSIS. Gosalvez M, Perez-Garcia J, Weinhouse S *Eur J Biochem* 46: 133-40, 1 Jul 74 (Eng)
RATS; ANIMAL EXPERIMENTS; MITOCHONDRIA, LIVER (metabolism); ADENOSINE DIPHOSPHATE (metabolism); OXIDATIVE PHOSPHORYLATION; PYRUVATE KINASE (metabolism, antagonists & inhibitors); GLYCOLYSIS (drug effects); ADENOSINE TRIPHOSPHATE (metabolism); PHOSPHOENOLPYRUVATE (metabolism); GLUCOSE (metabolism); HEXOKINASE (metabolism); GLUCOSEPHOSPHATES (biosynthesis); PHOSPHORIC ACIDS (metabolism); OXYGEN CONSUMPTION; OXYGEN (analysis); POLAROGRAPHY; NEOPLASMS (enzymology); PYRUVATES (biosynthesis); NITROPHENOLS (pharmacodynamics); SUCCINATES (metabolism); GLUTAMATES (metabolism); MALATES (metabolism).

Goschke H

TECHNIQUES OF TOTAL INTRAVENOUS FEEDING. A COMMENT TO THE PAPER BY F. JARRETT. Goschke H *Prog Surg* 13: 138-40, 1974 (Eng)
HUMAN; HYPERGLYCEMIA (etiology); PARENTAL FEEDING (methods, adverse effects); SEPTICEMIA (etiology).

Gots RE

THE FUNCTIONAL COMPARTMENTATION OF MITOCHONDRIAL HEXOKINASE. Gots RE, Bessman SP *Arch Biochem Biophys* 163: 7-14, Jul 74 (Eng)
RATS; ANIMAL EXPERIMENTS; COMPARATIVE STUDY; MITOCHONDRIA, LIVER (enzymology); HEXOKINASE (metabolism); RECEPTORS, DRUG; ADENOSINE TRIPHOSPHATE; PROTEIN BINDING; BINDING SITES; KINETICS; ADENOSINE DIPHOSPHATE; SPECTROPHOTOMETRY, ULTRAVIOLET; GLUCOSE; TRITIUM; PHOSPHORUS

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Gotze J

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Gotze J

[LACTATE DEHYDROGENASE ISOENZYMES IN THE WALL OF THE RATS AORTA IN EXPERIMENTAL STREPTOZOTOCIN-DIABETES] Wohlrab F, Gotze J *Dtsch Z Verdau Stoffwechselk* 34: 53-8, 1974 (Ger)

Gouarderes C

COMPARATIVE STUDY OF ERYTHROCYTE GLYCOLYTIC ENZYMES IN MAN AND IN TWO SPECIES OF LAGOMORPHAE. (OCHOTONA RUFESCENS RUFESCENS AND ORYCTOLAGUS CUNICULUS). Puget A, Vergnes H, Gouarderes C *Can J Comp Med* 38: 314-20, Jul 74 (Eng)

Gracheva IM

[BIOSYNTHESIS OF GLYCOSYLTRANSFERASE BY ENDOMYCOPUS FIBULIGERA IN SUBMERGED CULTURE] Veselov Ila, Georgieva SI, Gracheva IM, Sadow AI *Mikrobiologiya* 43: 395-9, 1974 (Rus)

Graf L

ACTION OF PLASMIN ON OXIDIZED BOVINE GROWTH HORMONE. Graf L, Li CH *Arch Biochem Biophys* 161: 691-5, 2 Apr 74 (Eng) SOMATOTROPIN; FIBRINOLYSIS; OXIDATION-REDUCTION; TRYPSIN; PEPTIDE FRAGMENTS (analysis); GEL FILTRATION; ELECTROPHORESIS, PAPER; AMINO ACIDS (analysis); SPECTROPHOTOMETRY, ULTRAVIOLET; AMINO ACID SEQUENCE; PITUITARY GLAND.

Grande F

DIET AND ATHEROSCLEROSIS. Grande F *S Afr Med J* 48: 1660-8, 14 Aug 74 (Eng) [62] REVIEW; ADULT; MIDDLE AGE; AGED; ANIMAL EXPERIMENTS; HUMAN; MALE; DIET; ARTERIOSCLEROSIS (etiology, occurrence, mortality); CORONARY DISEASE (prevention & control, occurrence, mortality, blood); DIET, ATHEROGENIC; GREECE; DIETARY FATS; CHOLESTEROL (blood); FATTY ACIDS, UNSATURATED (adverse effects); CHOLESTEROL, DIETARY; DIETARY PROTEINS; DIETARY CARBOHYDRATES; FREE RADICALS.

Green C

THE RATE OF CHOLESTEROL FLIP-FLOP IN LIPID BILAYERS AND ITS RELATION TO MEMBRANE STEROL POOLS. Smith RJ, Green C *FEBS Lett* 42: 108-11, 15 May 74 (Eng)

Green HO

ADRENAL MEDULLARY STORAGE VESICLES OF THE SPONTANEOUSLY HYPERTENSIVE RAT. Slotkin TA, Green HO *Biochem Pharmacol* 24: 173-80, 15 Jan 75 (Eng)

Greenstein M

PATTERNS OF SPONTANEOUS CORTISOL AND GROWTH HORMONE SECRETION IN RHESUS MONKEYS DURING THE SLEEP-WAKING CYCLE. Jacoby JH, Sassin JF, Greenstein M, Weitzman ED *Neuroendocrinology* 14: 165-73, 74 (Eng)

Greenstein S

SULFONYLUREA-INDUCED FACTITIOUS HYPOGLYCEMIA IN A NONDIABETIC NURSE. Wallich PG, Kashyap RP, Greenstein S *Can Med Assoc J* 112: 71-2, 11 Jan 75 (Eng)

Greenstreet R

CARBOHYDRATE METABOLISM IN RAT UTERUS DURING THE OESTROUS CYCLE. Greenstreet R, Fotherby K *Steroids Lipids Res* 4: 341-50, 1973 (Eng)

RATS; ANIMAL EXPERIMENTS; FEMALE; UTERUS (metabolism); ESTRUS; CARBOHYDRATES (metabolism); GLYCOLYSIS; GLYCOGEN (metabolism); PENTOSEPHOSPHATES (metabolism); ADENOSINE MONOPHOSPHATE (metabolism); ADENOSINE DIPHOSPHATE (metabolism); RNA (metabolism); ADENOSINE TRIPHOSPHATE (metabolism); DNA (metabolism); GLUCOSEPHOSPHATE ISOMERASE (metabolism); PROTEINS (metabolism); GLUCOSEPHOSPHATASE (metabolism); GLYCOGEN SYNTHETASE (metabolism); PHOSPHOGLUCONATE DEHYDROGENASE (metabolism); HEXOKINASE (metabolism); GLUCOSEPHOSPHATE DEHYDROGENASE (metabolism); MALATE DEHYDROGENASE (metabolism); PHOSPHOFRUCTOKINASE (metabolism); GLYCOGEN PHOSPHORYLASE (metabolism); TIME FACTORS.

Greibrokk T

PURIFICATION OF A PROLACTIN INHIBITING HORMONE AND THE REVEALING OF HORMONE D-GHIH WHICH INHIBITS THE RELEASE OF GROWTH HORMONE. Greibrokk T, Currie BL, Johansson NK, Hansen JJ, Folkers K *Biochem Biophys Res Commun* 59: 704-9, 24 Jul 74 (Eng)

RATS; ANIMAL EXPERIMENTS; FEMALE; COMPARATIVE STUDY; PITUITARY HORMONE RELEASING HORMONES (antagonists & inhibitors); PROLACTIN (secretion); SOMATOTROPIN (antagonists & inhibitors, secretion); HYPOTHALAMUS (analysis); BIOLOGICAL ASSAY; SWINE; SPECTROPHOTOMETRY, ULTRAVIOLET; CHROMATOGRAPHY, ION EXCHANGE; PRONASE; GEL FILTRATION; DOSE-RESPONSE RELATIONSHIP, DRUG; PITUITARY GLAND (secretion, drug effects); RADIOIMMUNOASSAY; EPINEPHRINE (pharmacodynamics); DOPAMINE (pharmacodynamics); CHROMATOGRAPHY, DEAE-CELLULOSE.

Griaznova IM

[COURSE OF PREGNANCY AND LABOR IN DIABETES MELLITUS] Griaznova IM, Vtorova VG *Akush Ginek (Mosk)* 58-62, May 74 (Rus) DIABETIC DIET; FEMALE; GLUCOSE TOLERANCE TEST; HUMAN; INSULIN (therapeutic use); LABOR COMPLICATIONS (etiology, prevention & control); PREDIABETIC STATE (diagnosis); PREGNANCY IN DIABETES (complications, diet therapy, drug therapy); PREGNANCY.

Griffiths HJ

A CASE OF LIPOATROPHIC DIABETES. Griffiths HJ, Rossini AA *Radiology* 114: 329-30, Feb 75 (Eng)

ADULT; BONE AND BONES (radiography); DIABETES MELLITUS (radiography, complications); FEMALE; HEPATOMEGALY (etiology, radiography); HUMAN; LIPODYSTROPHY (radiography, etiology); UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.

Grigsby JS

SERUM INSULIN, GLUCOSE, AND FREE FATTY ACIDS IN THE COW AND FETUS DURING GESTATION. Grigsby JS, Oxender WD, Hafs HD, Britt DG, Merkel RA *Proc Soc Exp Biol Med* 147: 830-4, Dec 74 (Eng) ANIMAL EXPERIMENTS; BLOOD SUGAR; CATTLE; FATTY ACIDS, NONESTERIFIED (blood); FEMALE; FETUS (metabolism);

GESTATIONAL AGE; INSULIN (blood); MALE; PREGNANCY; PREGNANCY, ANIMAL; SEX FACTORS; TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.

Grimes WJ

CELL SURFACE GLYCOLIPID AND GLYCOPROTEIN GLYCOSYLTRANSFERASES OF NORMAL AND TRANSFORMED CELLS. Patt LM, Grimes WJ *J Biol Chem* 249: 4157-65, 10 Jul 74 (Eng)

Groen JJ

WHY BREAD IN THE DIET LOWERS SERUM CHOLESTEROL. Groen JJ *Proc Nutr Soc* 32: 159-67, Dec 73 (Eng)

HUMAN; BREAD; DIET; CHOLESTEROL (blood); DIETARY FATS; NUTRITION; ETHNIC GROUPS; FATS, UNSATURATED; DIETARY PROTEINS; VEGETABLES; DIETARY CARBOHYDRATES; STARCH; GLUTEN; CORONARY DISEASE (etiology); YEMEN; CIVILIZATION; RELIGION.

Grosse Von H

[PEPTIC ULCER AND DIABETES] Grosse Von H *Zentralbl Chir* 99: 1239-42, 27 Sep 74 (Ger)

AGED; AUTOPSY; DIABETES MELLITUS (complications, pathology); FEMALE; HUMAN; HYPERTENSION (complications); MALE; OBESITY (complications); PEPTIC ULCER (complications, pathology).

Grover SD

ERYTHROCYTE GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENCY IN DIABETES (MATURITY ONSET). Kher MM, Grover SD *J Assoc Physicians India* 22: 601-4, Aug 74 (Eng)

Gruen PH

GROWTH HORMONE RESPONSES TO HYPOGLYCEMIA IN POSTMENOPAUSAL DEPRESSED WOMEN. Gruen PH, Sachar EJ, Altman N, Sassin J *Arch Gen Psychiatry* 32: 31-3, Jan 75 (Eng)

AGED; CATECHOLAMINES (physiology); DEPRESSION (blood); FEMALE; HUMAN; HYPOGLYCEMIA (chemically induced); INSULIN; MENOPAUSE; MIDDLE AGE; RADIOIMMUNOASSAY; SOMATOTROPIN (blood); UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H.

Guibaud S

ALPHA 1-ANTITRYPSIN IN AMNIOTIC FLUID. Guibaud S, Bonnet M, Thoulon JM, Dumont M *Obstet Gynecol* 45: 34-8, Jan 75 (Eng)

ABNORMALITIES (diagnosis); ALPHA 1 ANTITRYPSIN (analysis); AMNIOTIC FLUID (analysis); COMPARATIVE STUDY; ERYTHROBLASTOSIS, FETAL (diagnosis); FEMALE; FETAL DEATH (etiology); FETAL DISEASES (diagnosis); GEL DIFFUSION TESTS; GESTATIONAL AGE; HUMAN; HYDRAMNIOS (diagnosis); INFANT, NEWBORN; PLACENTA DISORDERS (diagnosis); PREGNANCY IN DIABETES (metabolism); PREGNANCY, TOXEMIAS (metabolism); PREGNANCY; PREGNANCY, PROLONGED; PRENATAL DIAGNOSIS; PROTEINS (analysis).

Guillemin JM

[STUDY OF 50 PURULENT NONTUBERCULOUS PLEURISIES SUBJECTED TO MEDICAL TREATMENT] Moigneau C, Guillemin JM, Almazor M *Poumon Coeur* 30: 115-21, 1974 (Fre)

Guinto E

MECHANISM OF STIMULATION OF THE HEXOSE MONOPHOSPHATE SHUNT OF ERYTHROCYTES BY PYRUVATE. Beutler E, Guinto E *Enzyme* 18: 7-18, 1974 (Eng)

Guize L

[LIFE STYLE, SURVEILLANCE AND TREATMENT OF THE RECOVERED INFARCT PATIENT] Guize L *Rev Prat* 24: 5131-6, 7-11 Dec 74 (Fre)

ANGINA PECTORIS; ANTICOAGULANTS (therapeutic use); ANTIDIABETICS (therapeutic use); ANTIHYPERTENSIVE AGENTS (therapeutic use); ANTILIPEMIC AGENTS (therapeutic use); ARRHYTHMIA (etiology); BLOOD PRESSURE; CORONARY VESSELS (radiography); DIET THERAPY; DIGITALIS GLYCOSIDES (therapeutic use); DIURETICS (therapeutic use); ECHOCARDIOGRAPHY; ELECTROCARDIOGRAPHY; ENGLISH ABSTRACT; HEART FAILURE, CONGESTIVE (etiology); HUMAN; LIFE STYLE; MONITORING SYSTEMS; MYOCARDIAL DEPRESSANTS (therapeutic use); MYOCARDIAL INFARCT (mortality, complications, therapy); MYOCARDIUM (metabolism); RADIOISOTOPES (diagnostic use); SMOKING; SPECIAL LIST FOREIGN; URICOSURIC AGENTS (therapeutic use); VASODILATOR AGENTS (therapeutic use).

Gunnarsson R

CYTOTOXIC EFFECTS OF STREPTOZOTOCIN AND N-NITROSOMETHYLUREA ON THE PANCREATIC B CELLS WITH SPECIAL REGARD TO THE ROLE OF NICOTINAMIDE-ADENINE DINUCLEOTIDE. Gunnarsson R, Berne C, Hellerstrom C *Biochem J* 140: 487-94, Jun 74 (Eng)

ADENOSINE TRIPHOSPHATE (analysis); ANIMAL EXPERIMENTS; BLOOD SUGAR (metabolism); FEMALE; GLUCOSE (metabolism); HYPERGLYCEMIA (metabolism); INSULIN (secretion); ISLANDS OF LANGERHANS (drug effects, analysis); MICE; MICE, INBRED STRAINS; NAD (metabolism, analysis); NICOTINAMIDE (pharmacodynamics); NITROSOUREA COMPOUNDS (toxicity); OBESITY (metabolism); OXYGEN CONSUMPTION; STREPTOZOTOCIN (toxicity).

Gustafson A

INCORPORATION RATE OF LEUCINE INTO PROTEINS IN HUMAN LIVER SLICES. Stakeberg H, Gustafson A, Schersten T *Eur J Clin Invest* 4: 393-8, 5 Dec 74 (Eng)

Gutfreund H

THE IDENTIFICATION OF INTERMEDIATES IN THE REACTION OF PIG HEART LACTATE DEHYDROGENASE WITH ITS SUBSTRATES. Whitaker JR, Yates DW, Bennett NG, Holbrook JJ, Gutfreund H *Biochem J* 139: 677-97, Jun 74 (Eng)

Gutman A

GLYCOGEN METABOLISM IN GLYCOGEN-RICH ERYTHROCYTES. Moses SW, Bashan N, Gutman A, Ockerman PA *Blood* 44: 275-84, Aug 74 (Eng)

Haasbroek AC

NEONATAL HYPOGLYCAEMIA CAUSED BY ISLET CELL HYPERPLASIA. A CASE REPORT. Haasbroek AC, Venter ID *S Afr J Surg* 12: 251-3, Dec 74 (Eng)

HUMAN; HYPERPLASIA (complications, surgery); HYPOGLYCEMIA (etiology); INFANT; INFANT, NEWBORN; INFANT, NEWBORN, DISEASES (etiology); ISLANDS OF LANGERHANS; MALE; PANCREATECTOMY.

Haddox MK

CYCLIC GUANOSINE 3:5-MONOPHOSPHATE IN *ESCHERICHIA COLI* AND *BACILLUS LICHENIFORMIS*. Bernlohr RW, Haddox MK, Goldberg ND *J Biol Chem* 249: 4329-31, 10 Jul 74 (Eng)

Hafs HD

SERUM INSULIN, GLUCOSE, AND FREE FATTY ACIDS IN THE COW AND FETUS DURING GESTATION. Grigsby JS, Oxender WD, Hafs HD, Britt DG, Merkel RA *Proc Soc Exp Biol Med* 147: 830-4, Dec 74 (Eng)

Hagen C

PROCEEDINGS: THE RELATIONSHIP BETWEEN PROLACTIN AND GONADOTROPHINS: EFFECTS OF CLOMIPHENE ADMINISTRATION IN NORMAL MEN. Thorne MO, Besser GM, Hagen C, McNeilly AS *J Endocrinol* 63: 43p-44p, Nov 74 (Eng)

Hagura R

INSULIN SECRETORY RESPONSE OF DIABETICS DURING THE PERIOD OF IMPROVEMENT OF GLUCOSE TOLERANCE TO NORMAL RANGE. Kosaka K, Hagura R, Kuzuya T, Kuzuya N *Diabetologia* 10: 775-82, Dec 74 (Eng)

Hahn HJ

INHIBITION OF GLUCAGON SECRETION BY GLUCOSE AND GLYCERALDEHYDE ON ISOLATED ISLETS OF WISTAR RATS. Hahn HJ, Ziegler M, Mohr E *FEBS Lett* 49: 100-2, 1 Dec 74 (Eng)

ANIMAL EXPERIMENTS; COMPARATIVE STUDY; GLUCAGON (secretion); GLUCOSE (pharmacodynamics); GLYCERALDEHYDE (pharmacodynamics); IN VITRO; INSULIN (secretion); ISLANDS OF LANGERHANS (secretion, drug effects); MALE; RATS; TIME FACTORS.

Hajzok O

[EXSUDATIVE PLEURISY IN RHEUMATOID ARTHRITIS] Hajzok O, Hajzokova M, Zitnan D, Rovensky J *Z Rheumatol* 33: 198-205, May-Jun 74 (Ger)

ENGLISH ABSTRACT; ADULT; MIDDLE AGE; HUMAN; MALE; PLEURISY (diagnosis, etiology); ARTHRITIS, RHEUMATOID (complications, pathology); PLEURA (analysis); BLOOD SUGAR (analysis); RHEUMATOID NODULE; BIOPSY; DIAGNOSIS, DIFFERENTIAL; AMYLOIDOSIS (pathology); NEPHROTIC SYNDROME (pathology); PERICARDITIS (pathology); MYOCARDITIS (pathology); MYOSITIS (pathology); IGG (analysis); BLOOD PROTEINS (analysis); IGA (analysis); CHOLESTEROL (blood); IGM (analysis); LACTATE DEHYDROGENASE (blood); LE CELLS.

Hajzokova M

[EXSUDATIVE PLEURISY IN RHEUMATOID ARTHRITIS] Hajzok O, Hajzokova M, Zitnan D, Rovensky J *Z Rheumatol* 33: 198-205, May-Jun 74 (Ger)

Hall JA

EPISODIC WEAKNESS IN THYROTOXICOSIS. Isaacs B, Thomas E, Hall JA *Practitioner* 213: 69-72, Jul 74 (Eng)

Hall R

LONG-TERM INFUSION OF GROWTH HORMONE RELEASE INHIBITING HORMONE IN ACROMEGALY: EFFECTS ON PITUITARY AND PANCREATIC HORMONES. Besser GM, Mortimer CH, McNeilly AS, Thorne MO, Batistoni GA, Bloom SR, Kastrop KW, Hanssen KF, Hall R, Coy DH, Kastin AJ, Schally AV *Br Med J* 4: 622-7, 14 Dec 74 (Eng)

Hallberg D

HYPEROSMOLALITY AND TRAUMA. Hallberg D *Acta Anaesthesiol Scand [Suppl]* 21-7, 1974 (Eng)

ALDOSTERONE (physiology); CARBOHYDRATES (metabolism); CATECHOLAMINES (physiology); CELL

MEMBRANE PERMEABILITY; CORTISONE (physiology); FATTY ACIDS, NONESTERIFIED (metabolism); GLYCOGEN (metabolism); HUMAN; INSULIN (physiology); KIDNEY (metabolism); LIPIDS (metabolism); OSMOLAR CONCENTRATION; PROTEINS (metabolism); TRIGLYCERIDES (metabolism); UREA (metabolism); VASOPRESSIN (physiology); WATER-ELECTROLYTE BALANCE; WOUNDS AND INJURIES (metabolism).

Hamilton CL

THE EFFECTS OF HIGH CARBOHYDRATE DIETS ON HYPERINSULINEMIC MONKEYS (MACACA MULATTA). Hamilton CL, Kuo PT, Feng L *J Med Primatol* 3: 276-84, 1974 (Eng)

ADMINISTRATION, ORAL; ANIMAL EXPERIMENTS; BLOOD SUGAR (analysis); CHOLESTEROL (blood); DIABETES MELLITUS (blood); DIETARY CARBOHYDRATES (metabolism); FEMALE; HYPERINSULINISM (veterinary, blood); INSULIN (blood); MACACA; MALE; MONKEY DISEASES (blood); SUCROSE (administration & dosage); TRIGLYCERIDES (blood).

Hamilton JR

COEXISTENCE OF DIABETES MELLITUS AND CELIAC DISEASE. Thain ME, Hamilton JR, Ehrlich RM *J Pediatr* 85: 527-9, Oct 74 (Eng)

Hamilton WA

MECHANISMS OF ENERGY COUPLING TO THE TRANSPORT OF AMINO ACIDS BY *STAPHYLOCOCCUS AUREUS*. Niven DF, Hamilton WA *Eur J Biochem* 44: 517-22, 15 May 74 (Eng)

Hanninen O

LIPID ACCEPTOR IN UDPGLUCURONIC ACID METABOLISM IN RAT LIVER MICROSOMES. Puhakainen E, Hanninen O *FEBS Lett* 39: 144-8, 15 Feb 74 (Eng)

Hansen AP

THE INHIBITION BY SOMATOSTATIN OF THE THYROTROPIN RESPONSE TO THYROTROPIN-RELEASING HORMONE IN NORMAL SUBJECTS. Weekes J, Hansen AP, Lundbaek K *Scand J Clin Lab Invest* 33: 101-3, Apr 74 (Eng)

Hansen FM

THE INFLUENCE OF BODY WEIGHT AND CELL SIZE ON LIPOGENESIS AND LIPOLYSIS OF ISOLATED RAT FAT CELLS. Hansen FM, Nielsen JH, Gliemann J *Eur J Clin Invest* 4: 411-8, 5 Dec 74 (Eng)

ADIPOSE TISSUE (metabolism, drug effects, cytology); ANIMAL EXPERIMENTS; BODY WEIGHT; CELL SEPARATION (methods); CORTICOTROPIN (pharmacodynamics); GLUCAGON (pharmacodynamics); INSULIN (pharmacodynamics); LIPIDS (metabolism, biosynthesis); MICROPORE FILTERS; NOREPINEPHRINE (pharmacodynamics); RATS; REGRESSION ANALYSIS.

Hansen JJ

PURIFICATION OF A PROLACTIN INHIBITING HORMONE AND THE REVEALING OF HORMONE D-GHIH WHICH INHIBITS THE RELEASE OF GROWTH HORMONE. Greibrokk T, Currie BL, Johansson NK, Hansen JJ, Folkers K *Biochem Biophys Res Commun* 59: 704-9, 24 Jul 74 (Eng)

Hansen MA

BOVINE KETOSIS. II. THERAPY AND BIOLOGICAL FACTORS OF SIGNIFICANCE FOR RECOVERY. Jonsgard K, Hansen MA, Sognen E, Overby I *Nord Vet Med* 26: 362-9, Jun 74 (Eng)

Diabetes Literature—Author Index

Hanssen KF

Hanssen KF

LONG-TERM INFUSION OF GROWTH HORMONE RELEASE INHIBITING HORMONE IN ACROMEGALY: EFFECTS ON PITUITARY AND PANCREATIC HORMONES. Besser GM, Mortimer CH, McNeilly AS, Thorner MO, Batistoni GA, Bloom SR, Kastrup KW, Hanssen KF, Hall R, Coy DH, Kastin AJ, Schally AV *Br Med J* 14: 622-7, 14 Dec 74 (Eng)

Hansson LI

BIOASSAY OF GROWTH HORMONE. II. DETERMINATION OF LONGITUDINAL BONE GROWTH WITH TETRACYCLINE IN THYROXINE-TREATED HYPOPHYSECTOMIZED RATS. Thorngren KG, Hansson LI *Acta Endocrinol (Kbh)* 75: 669-82, Apr 74 (Eng)

BIOASSAY OF GROWTH HORMONE. I. DETERMINATION OF LONGITUDINAL BONE GROWTH WITH TETRACYCLINE IN HYPOPHYSECTOMIZED RATS. Thorngren KG, Hansson LI *Acta Endocrinol (Kbh)* 75: 653-68, Apr 74 (Eng)

Haralambie G

HEART RATE AND ENERGY-YIELDING SUBSTRATES IN BLOOD DURING LONG-LASTING RUNNING. Keul J, Haralambie G, Arnold T, Schumann W *Eur J Appl Physiol* 32: 279-89, 1974 (Eng)

Harano K

[CHANGES IN CARBOHYDRATE TOLERANCE DURING SURGERY - WITH SPECIAL REFERENCE TO COMPARISON BETWEEN GLUCOSE AND MALTOSE] Aono K, Harano K, Hirokita Y, Nakamura Y *Jpn J Anesthesiol* 23: 797-805, Sep 74 (Jpn)

Harkness RA

PROCEEDINGS: FAMILIAL GLUCOCORTICOID DEFICIENCY. Thistlethwaite D, Darling JA, Fraser R, Rees LH, Harkness RA *J Endocrinol* 63: 48p-49p, Nov 74 (Eng)

Harold FM

PROBING MEMBRANE TRANSPORT MECHANISMS WITH IONOPHORES. Harold FM, Altendorf KH, Hirata H *Ann NY Acad Sci* 235: 149-60, 10 May 74 (Eng)

CELL MEMBRANE (metabolism); ANTIBIOTICS (pharmacodynamics); OSMOSIS; BIOLOGICAL TRANSPORT, ACTIVE (drug effects); PROTONS; OXIDATIVE PHOSPHORYLATION (drug effects); MEMBRANES, ARTIFICIAL; LIPIDS; STREPTOCOCCUS (drug effects); BACTERIA (metabolism, cytology); MITOCHONDRIA (metabolism); IONS (metabolism); POTASSIUM (metabolism); VALINOMYCIN (pharmacodynamics); UNCOUPLING AGENTS (pharmacodynamics); ION EXCHANGE; GLYCINE (metabolism); CELL MEMBRANE PERMEABILITY; THREONINE (metabolism); HYDROGEN-ION CONCENTRATION.

Harper AE

EDITORIAL: NONESSENTIAL AMINO ACIDS. Harper AE *J Nutr* 104: 965-7, Aug 74 (Eng)

CHILD; RATS; ANIMAL EXPERIMENTS; HUMAN; AMINO ACIDS (classification, biosynthesis, standards); NOMENCLATURE; AMINO ACIDS, ESSENTIAL; CHICKENS; SPECIES SPECIFICITY; GROWTH; MILK PROTEINS; NUTRITIONAL REQUIREMENTS.

Harrop J

LETTER: DOPAMINE-BETA-HYDROXYLASE AND SYMPATHO-ADRENAL ACTIVITY. Goodwin PM, Harrop J, Marks V *Lancet* 1: 170-1, 18 Jan 75 (Eng)

Hartman T

DIABETES MELLITUS: AN UNDERESTIMATED PUBLIC HEALTH PROGRAM. Toku-

hata GK, Miller W, Digon E, Hartman T *J Chronic Dis* 28: 23-35, Jan 75 (Eng)

Hartmann A

[TOTAL SYNTHESIS OF HUMAN INSULIN UNDER DIRECTED FORMATION OF THE DISULFIDE BONDS] Sieber P, Kamber B, Hartmann A, Johl A, Riniker B, Rittel W *Helv Chim Acta* 57: 2617-21, 1974 (Ger)

Hashimoto K

[STUDIES ON TRANSFORMATIONS OF CARBOHYDRATES. II. EPIMERIZATION AND DEGRADATION OF GLUCOSE IN DILUTED STRONG ALKALINE SOLUTION. (1) (AUTHORS TRANSL.)] Koizumi K, Hashimoto K, Mitarai M, Sawada C *J Pharm Soc Jap* 94: 232-7, Feb 74 (Jap)

Hashimoto T

REGULATORY MECHANISMS FOR LIVER ACETYL COENZYME A CARBOXYLASE. Numa S, Hashimoto T, Nakanishi S, Okazaki T *Biochem Soc Symp* 27-39, 1972 (Eng)

Hashizume S

SHE ASKED: AM I GOING CRAZY Hashizume S *Nursing (Jenkintown)* 5: 12-5, Feb 75 (Eng)

AGED; CASE REPORT; COGNITION DISORDERS (nursing); DIABETES MELLITUS (nursing); FEMALE; HUMAN; NURSE-PATIENT RELATIONS; PUBLIC HEALTH NURSING; SPECIAL LIST NURSING.

Hasselblatt A

EFFECTS OF BICYCLIC LEUCINE ANALOGUES ON INSULIN RELEASE FROM THE PERFUSED RAT PANCREAS AND FLUORESCENCE OF REDUCED PYRIDINE NUCLEOTIDES FROM PERFUSED PANCREATIC ISLETS. Joost HG, Panten U, Ishida H, Poser W, Hasselblatt A *Life Sci* 16: 247-54, 15 Jan 75 (Eng)

Haug A

CONTROL OF MEMBRANE LIPID FLUIDITY IN ACHOLEPLASMA LAIDLAWII. Huang L, Lorch SK, Smith GG, Haug A *FEBS Lett* 43: 1-5, 1 Jul 74 (Eng)

Haugen J

SOME CHEMICAL PARAMETERS OF SERUM, CEREBROSPINAL FLUID, PERILYMPH, AND AQUEOUS HUMOR OF THE CHINCHILLA. Juhn SK, Haugen J, Steven L *Lab Anim Sci* 24: 691-5, Aug 74 (Eng)

Haut J

[TOTAL VITRECTOMY BY ANTERIOR ROUTE] Haut J, Limon S, Lecoq PJ *Bull Mem Soc Fr Ophtalmol* 86: 260-7, 1973 (Fre)

HUMAN; MALE; FEMALE; VITREOUS BODY (surgery); METHODS; PROGNOSIS; EYE DISEASES (surgery).

Hauteceuvre M

SEX RELATED DIURNAL VARIATIONS IN VENOUS BLOOD GLUCOSE AND PLASMA INSULIN LEVELS. EFFECTS OF ESTROGENS IN MEN. Hauteceuvre M, Slama G, Assan R, Tchobroutsky G *Diabetologia* 10: 725-30, Dec 74 (Eng)

ADULT; BLOOD SUGAR (metabolism); COMPARATIVE STUDY; DIURNAL RHYTHM; ESTRADIOL (pharmacodynamics); FASTING; FEMALE; GLUCOSE TOLERANCE TEST; HUMAN; INSULIN (blood); MALE; SEX FACTORS.

Hayashi S

A ROLE OF THE CARBOHYDRATE MOIETY OF GLUCOSE OXIDASE: KINETIC EVIDENCE FOR PROTECTION OF THE ENZYME FROM THERMAL INACTIVATION IN THE PRESENCE OF SODIUM DODECYL

SULFATE. Nakamura S, Hayashi S *FEBS Lett* 41: 327-30, 1 May 74 (Eng)

Haye B

EXISTENCE OF TWO POOLS OF PROSTAGLANDINS DURING STIMULATION OF THE THYROID BY TSH. Haye B, Champion S, Jacquemin C *FEBS Lett* 41: 89-93, 15 Apr 74 (Eng)

IN VITRO; COMPARATIVE STUDY; PROSTAGLANDINS (metabolism, biosynthesis); THYROID GLAND (metabolism, drug effects, enzymology); THYROTROPIN (pharmacodynamics); SWINE; ACETATES; CARBON RADIOISOTOPES; PHOSPHOLIPIDS (biosynthesis); CHROMATOGRAPHY, THIN LAYER; TRIGLYCERIDES (biosynthesis); ARACHIDONIC ACID (metabolism); KINETICS; THEOPHYLLINE (pharmacodynamics); PHOSPHOLIPASE (metabolism); DIBUTYRYL CYCLIC AMP (pharmacodynamics); ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); LIPASE (metabolism); TIME FACTORS.

Haynes DH

TURNOVER NUMBERS FOR IONOPHORE-CATALYZED CATION TRANSPORT ACROSS THE MITOCHONDRIAL MEMBRANE. Haynes DH, Wiens T, Pressman BC *J Membr Biol* 18: 23-38, 1974 (Eng)

RATS; ANIMAL EXPERIMENTS; HUMAN; COMPARATIVE STUDY; MITOCHONDRIA, LIVER (metabolism, drug effects); ERYTHROCYTES (metabolism, pharmacodynamics, cytology, drug effects); POTASSIUM (metabolism); BIOLOGICAL TRANSPORT; CELL MEMBRANE (metabolism, drug effects); ANTIMETABOLITES (pharmacodynamics); MEMBRANES (drug effects, metabolism); VALINOMYCIN (pharmacodynamics); MODELS, BIOLOGICAL; SPECTROPHOTOMETRY, ATOMIC ABSORPTION; SODIUM (metabolism); BINDING SITES; CESIUM (metabolism); RECEPTORS, DRUG; RUBIDIUM (metabolism); KINETICS; BINDING, COMPETITIVE.

Hebbelink M

PHYSICAL DEVELOPMENT AND PERFORMANCE CAPACITY IN A GROUP OF DIABETIC CHILDREN AND ADOLESCENTS. Hebbelink M, Loeb H, Meersseman H *Acta Paediatr Belg* 28 suppl: 151-61, 1974 (Eng)

ADOLESCENCE; AGE DETERMINATION BY SKELETON; BODY HEIGHT; BODY WEIGHT; CHILD DEVELOPMENT; CHILD; COMPARATIVE STUDY; DIABETES MELLITUS, JUVENILE (physiopathology); FEMALE; GROWTH; HUMAN; MALE; PHYSICAL FITNESS; SEX FACTORS; SOMATOTYPES.

Hedekov CJ

THE EFFECT OF STARVATION ON INSULIN SECRETION AND GLUCOSE METABOLISM IN MOUSE PANCREATIC ISLETS. Hedekov CJ, Capito K *Biochem J* 140: 423-33, Jun 74 (Eng)

ACID PHOSPHATASE (metabolism); ADENOSINE TRIPHOSPHATE (metabolism); ANIMAL EXPERIMENTS; CAFFEINE (pharmacodynamics); FRUCTOSEPHOSPHATES (analysis); FUMARATES (metabolism); GLUCOKINASE (metabolism); GLUCOSE (metabolism); GLUCOSEPHOSPHATASE; GLUCOSEPHOSPHATES (analysis); GLUTAMATES (metabolism); GLYCOGEN (metabolism); GLYCOLYSIS; HEXOKINASE (metabolism); IN VITRO; INSULIN (secretion); ISLANDS OF LANGERHANS (metabolism, drug effects); KINETICS; MALE; MICE; NADP; PYRUVATE (metabolism); STARVATION (metabolism); TRITIUM.

Heitzman RJ

BOVINE KETOSIS: A REVIEW WITH RECOMMENDATIONS FOR CONTROL AND TREATMENT. Baird GD, Heitzman RJ, Hibbitt KG, Hunter GD *Br Vet J* 130: 214-20, May-Jun 74 (Eng) [20]

Hellerstrom C

EFFECTS OF GLUCOSE ON THE ULTRASTRUCTURE AND INSULIN BIOSYNTHESIS OF ISOLATED MOUSE PANCREATIC ISLETS MAINTAINED IN TISSUE CULTURE. Andersson A, Westman J, Hellerstrom C *Diabetologia* 10: 743-53, Dec 74 (Eng)

CYTOTOXIC EFFECTS OF STREPTOZOTOCIN AND N-NITROSOMETHYLUREA ON THE PANCREATIC B CELLS WITH SPECIAL REGARD TO THE ROLE OF NICOTINAMIDE-ADENINE DINUCLEOTIDE. Gunnarsson R, Berne C, Hellerstrom C *Biochem J* 140: 487-94, Jun 74 (Eng)

Henon M

[CHANGES INDUCED BY THEOPHYLLINE IN VITRO ON THE GLYCOGEN CONTENT, CARBOHYDRATE METABOLISM AND FINALLY ON THE PHAGOCYTIC AND BACTERICIDAL ACTIVITY OF POLYNUCLEAR LEUKOCYTES] Henon M, Launay A, Delaunay A *C R Acad Sci [D] (Paris)* 278: 521-4, 21 Jan 74 (Fre)

GUINEA PIGS; ANIMAL EXPERIMENTS; IN VITRO; LEUKOCYTES (metabolism, drug effects, immunology); CARBOHYDRATES (metabolism); GLYCOGEN (metabolism); THEOPHYLLINE (pharmacodynamics); PHAGOCYTOSIS (drug effects).

Henquin JC

ENZYME-INDUCED MODIFICATIONS OF BETA CELL FUNCTION. I. EFFECT OF PRONASE ON INSULIN SECRETION. Lambert AE, Henquin JC, Orci L, Renold AE *Eur J Clin Invest* 4: 459-68, 5 Dec 74 (Eng)

CATIONIC ENVIRONMENT AND DYNAMICS OF INSULIN SECRETION. III. EFFECT OF THE ABSENCE OF POTASSIUM. Henquin JC, Lambert AE *Diabetologia* 10: 789-94, Dec 74 (Eng)

BIOLOGICAL TRANSPORT, ACTIVE; CATIONS, MONOVALENT (pharmacodynamics); CULTURE MEDIA; GLUCOSE (metabolism); IMMUNOASSAY; INSULIN (secretion, metabolism); ISLANDS OF LANGERHANS (secretion); ORGAN CULTURE; OXIDATION-REDUCTION; PERFUSION; POTASSIUM (metabolism, deficiency); RATS; SODIUM (pharmacodynamics); STIMULATION, CHEMICAL.

Herman EH

MODIFICATION OF SOME OF THE TOXIC EFFECTS OF DAUNOMYCIN (NSC-82,151) BY PRETREATMENT WITH THE ANTINEOPLASTIC AGENT ICRF 159 (NSC-129,943). Herman EH, Mhatre RM, Chadwich DP *Toxicol Appl Pharmacol* 27: 517-26, Mar 74 (Eng)

HAMSTERS; MONKEYS; ANIMAL EXPERIMENTS; MALE; DAUNOMYCIN (antagonists & inhibitors, toxicity, metabolism); ANTINEOPLASTIC AGENTS (pharmacodynamics); PIPERAZINES (pharmacodynamics); CHROMATOGRAPHY, PAPER; SPECTROMETRY, FLUORESCENCE; PROPANE (pharmacodynamics); ELECTROCARDIOGRAPHY; TIME FACTORS; BLOOD SUGAR (analysis); MYOCARDIUM (metabolism); LUNG (metabolism); LIVER (metabolism); KIDNEY (metabolism); SPLEEN (metabolism); ENZYMES (blood); MACACA; ARRHYTHMIA (chemically induced).

Herman G

THE CALCIUM IONOPHORE A 23 187 AS A PROBE FOR STUDYING THE ROLE OF CA²⁺ IONS IN THE MEDIATION OF CARBACHOL EFFECTS ON RAT SALIVARY GLANDS: PROTEIN SECRETION AND METABOLISM OF PHOSPHOLIPIDS AND GLYCOGEN. Rossignol B, Herman G, Chambaut AM, Keryer G *FEBS Lett* 43: 241-6, 15 Jul 74 (Eng)

Hersh LB

MALYL COENZYME A LYASE. MECHANISM OF ACTION AS LEBDED BY KINETIC ANALYSIS. Hersh LB *J Biol Chem* 249: 5208-12, 25 Aug 74 (Eng)

COMPARATIVE STUDY: KETOACID-LYASES (metabolism, antagonists & inhibitors, isolation & purification); MALATES; KINETICS; GLYCOLATES (pharmacodynamics); OXALATES (pharmacodynamics); PROTEIN BINDING; BINDING SITES; COENZYME A; BINDING, COMPETITIVE; PROPIONATES; PSEUDOMONAS (enzymology); COMPUTERS, DIGITAL; CHROMATOGRAPHY, ION EXCHANGE; HEAT; CHROMATOGRAPHY, DEAE-CELLULOSE; DRUG STABILITY; GEL FILTRATION; SPECTROPHOTOMETRY, ULTRAVIOLET; WATER; TRITIUM; ACETYL COENZYME A.

Hess B

ANOMERIC SPECIFICITY OF ENZYMES OF D-GLUCOSE METABOLISM. Wurster B, Hess B *FEBS Lett* 40: suppl 0s112-8, 23 Mar 74 (Eng) [69]

Hessov I

EFFECTS OF FRUCTOSE AND GLUCOSE INFUSIONS ON BLOOD ACID-BASE EQUILIBRIUM IN THE POSTOPERATIVE PERIOD. Hessov I *Acta Chir Scand* 140: 347-51, 1974 (Eng)

HUMAN; GLUCOSE (pharmacodynamics, administration & dosage); FRUCTOSE (pharmacodynamics, blood, administration & dosage); ACID-BASE EQUILIBRIUM (drug effects); LACTATES (blood); URIC ACID (blood); DUODENAL ULCER (surgery); STOMACH ULCER (surgery); BLOOD SUGAR (metabolism); STIMULATION, CHEMICAL; DEPRESSION, CHEMICAL; HYDROGEN-ION CONCENTRATION (drug effects); INFUSIONS, PARENTERAL; POSTOPERATIVE CARE; PARTIAL PRESSURE; TIME FACTORS; CARBON DIOXIDE (blood); BLOOD.

Hewitt R

ANTERIOR HYPOPHYSIAL FUNCTION IN THE POSTERIOR-HYPOPHYSIOTOMIZED RAT: NORMAL REGULATION OF THE ADRENAL SYSTEM. Miller RE, Yueh-Chien H, Wiley MK, Hewitt R *Neuroendocrinology* 14: 233-50, 74 (Eng)

Hibbitt KG

BOVINE KETOSIS: A REVIEW WITH RECOMMENDATIONS FOR CONTROL AND TREATMENT. Baird GD, Heitzman RJ, Hibbitt KG, Hunter GD *Br Vet J* 130: 214-20, May-Jun 74 (Eng) [20]

Hickie JB

SERUM CHOLESTEROL AND SERUM TRIGLYCERIDE LEVELS IN AUSTRALIAN ADOLESCENT MALES. Hickie JB, Sutton J, Russo P, Ruys J, Kraegen EW *Med J Aust* 1: 825-8, 25 May 74 (Eng)

CHILD; ADOLESCENCE; HUMAN; MALE; CHOLESTEROL (blood); TRIGLYCERIDES (blood); COLORIMETRY; FLUOROMETRY; AGE FACTORS; BODY WEIGHT; BODY SURFACE AREA; SKINFOLD THICKNESS; ANTHROPOMETRY; PUBERTY; SOCIOECONOMIC FACTORS; PHYSICAL FITNESS; OBESITY (blood).

Hickman R

CURRENT CONCEPTS RELATING TO METABOLIC CHANGES AFTER PORTACAVAL SHUNTS, AND ALCOHOL AND THE PANCREAS. (2). ALCOHOL AND THE PANCREAS. Wheatley IC, Waterworth MW, Barbezat GO, Bank S, Marks S, Hickman R, Terblanche JS *Afr J Surg* 12: 202-4, Dec 74 (Eng)

Hiebert JM

THE EFFECT OF GLUCOSE ANOMERS UPON INSULIN AND GLUCAGON SECRETION. Rossini AA, Soeldner JS, Hiebert JM, Weir GC, Gleason RE *Diabetologia* 10: 795-9, Dec 74 (Eng)

Higgins MW

THE TECUMSEH STUDY OF RESPIRATORY ILLNESS. VIII. ACUTE INFECTION IN CHRONIC RESPIRATORY DISEASE AND COMPARISON GROUPS. Monto AS, Higgins MW, Ross HW *Am Rev Respir Dis* 111: 27-36, Jan 75 (Eng)

Hiji Y

[PROCEEDINGS: 369. PROPERTIES OF THE SUGAR-BINDING PROTEIN AND THE STRUCTURE OF THE TASTE CELL (AUTHORS TRANSL)] Hiji Y *J Physiol Soc Jap* 35: 537-8, Aug-Sep 73 (Jap)

RATS; ANIMAL EXPERIMENTS; TASTE BUDS (cytology, analysis); CHEMORECEPTORS (analysis); PROTEIN BINDING; PROTEINS (analysis); CARBOHYDRATES (metabolism); MICROSCOPY, ELECTRON; HISTOCYTOCHEMISTRY.

Hillegass LM

GLYCOSYLTRANSFERASES IN CANINE RESPIRATORY TISSUE. ALTERATIONS IN AN EXPERIMENTALLY INDUCED HYPERSECRETORY STATE. Baker AP, Chakrin LW, Sawyer JL, Munro JR, Hillegass LM, Giannone E *Biochem Med* 10: 387-99, Aug 74 (Eng)

Himeno S

[WDHA (WATERY DIARRHEA, HYPOKALEMIA, A CHLORHYDRIA) SYNDROME] Saito R, Himeno S, Toei N *Jpn J Clin Med* 32: 711-8, 10 Apr 74 (Jap) [38]

Hinkle PM

USES OF PROLACTIN- AND GROWTH HORMONE-PRODUCING RAT PITUITARY TUMOR CELLS IN CULTURE. Hinkle PM *Lloydia* 37: 192-5, Jun 74 (Eng)

RATS; PROLACTIN (biosynthesis); SOMATOTROPIN (biosynthesis); CELLS, CULTURED; PITUITARY NEOPLASMS (metabolism); THYROTROPIN-RELEASING HORMONE (pharmacodynamics).

Hirano S

[OCULAR ULTRASONIC BLOOD REOGRAPHY WITH O-CROSS COUNTER. REPORT IV. STUDIES OF DIABETIC RETINOPATHY] Yamamoto Y, Hirano S, Kaburagi H, Tomota M, Sueno M *Acta Soc Ophthalmol Jpn* 78: 913-25, 10 Sep 74 (Jpn)

Hirata H

PROBING MEMBRANE TRANSPORT MECHANISMS WITH INOPHORES. Harold FM, Altendorf KH, Hirata H *Ann NY Acad Sci* 235: 149-60, 10 May 74 (Eng)

Hirokata Y

[CHANGES IN CARBOHYDRATE TOLERANCE DURING SURGERY - WITH SPECIAL REFERENCE TO COMPARISON BETWEEN GLUCOSE AND MALTOSE] Aono K, Harano K, Hirokata Y, Nakamura Y *Jpn J Anesthesiol* 23: 797-805, Sep 74 (Jpn)

Diabetes Literature—Author Index

Hirose K

Hirose K

[ETIOLOGY OF DIABETIC NEPHROPATHY—A MORPHOLOGICAL APPROACH] Hirose K, Shishido H, Tsuchida H *Jpn J Clin Med* 32: 3148-55, Oct 74 (Jpn)

DIABETIC NEPHROPATHIES (etiology, pathology, immunology); HUMAN; KIDNEY (pathology, immunology).

Hirose S

FLUOROMETRIC ASSAY FOR DISCRIMINATING THE STATES OF AMINO GROUPS IN INSULIN, LYSOZYME AND ASPARAGINASE WITH FLUORESCAMINE. Tamaura Y, Todokoro K, Ikebe M, Makino H, Hirose S *FEBS Lett* 50: 70-3, 15 Jan 75 (Eng)

Hitchings RA

APHAKE MACULAR EDEMA: INCIDENCE AND PATHOGENESIS. Hitchings RA, Chisholm IH, Bird AC *Invest Ophthalmol* 14: 68-72, Jan 75 (Eng)

CATARACT EXTRACTION (adverse effects); COMPARATIVE STUDY; DIABETES MELLITUS (complications); EDEMA (etiology, occurrence, pathology); FLUORESCENCE ANGIOGRAPHY; GLAUCOMA (surgery); HUMAN; HYPERTENSION (complications); INTRAOCULAR PRESSURE; LENS, CRYSTALLINE (pathology); MACULA LUTEA (pathology); POSTOPERATIVE COMPLICATIONS (occurrence); PROSPECTIVE STUDIES; RETINAL DEGENERATION (complications); TIME FACTORS; UVEITIS (complications); VISUAL ACUITY.

Hladky SB

THE ENERGY BARRIERS TO ION TRANSPORT BY NONACTIN ACROSS THIN LIPID MEMBRANES. Hladky SB *Biochim Biophys Acta* 352: 71-85, 30 May 74 (Eng)

COMPARATIVE STUDY; ANTIBIOTICS; MEMBRANES, ARTIFICIAL; LIPIDS; BINDING SITES; PERMEABILITY; POTENTIOMETRY; MEMBRANE POTENTIALS; KINETICS; ELECTRIC CONDUCTIVITY; SODIUM; STREPTOMYCIN; POTASSIUM; BACTERIA; AMMONIA; EGG YOLK; LECITHINS; MATHEMATICS; CEPHALINS; MODELS, BIOLOGICAL; ALKANES; OLEIC ACID; GLYCERIDES; FURANS.

Hodgkin DC

PROCEEDINGS: VARIETIES OF INSULIN. THE SIR HENRY DALE LECTURE FOR 1974. Hodgkin DC *J Endocrinol* 63: 3p-14p, Nov 74 (Eng) [20]

ANIMAL EXPERIMENTS; CARBON (analysis); CATS; CATTLE; CELL MEMBRANE (analysis); CETACEA; COMPARATIVE STUDY; DOGS; ENDOPLASMIC RETICULUM (metabolism); GOLGI APPARATUS (metabolism); HUMAN; INSULIN (classification, analysis, isolation & purification); MODELS, BIOLOGICAL; MODELS, STRUCTURAL; MOLECULAR WEIGHT; OXYGEN (analysis); PEPTIDES (analysis); PROINSULIN (biosynthesis); RATS; REVIEW; SNAKES; STRUCTURE-ACTIVITY RELATIONSHIP; SULFUR (analysis); SWINE; X-RAY DIFFRACTION; ZINC (analysis).

Hohmann B

PROXIMAL TUBULAR LACTATE TRANSPORT IN RAT KIDNEY: A MICROPUNCTURE STUDY. Hohmann B, Frohnert PP, Kinne R, Baumann K *Kidney Int* 5: 261-70, Apr 74 (Eng)

RATS; ANIMAL EXPERIMENTS; KIDNEY TUBULES, PROXIMAL (physiology, metabolism); LACTATES (metabolism, blood); KIDNEY GLOMERULUS (physiology); GLOMERULAR FILTRATION RATE; BIOLOGICAL TRANSPORT; BASEMENT MEMBRANE (metabolism); GLUCONEOGENESIS; METHODS;

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Hokfelt T

IMMUNOHISTOCHEMICAL EVIDENCE FOR THE LOCALIZATION OF SOMATOSTATIN-LIKE IMMUNOREACTIVITY IN A CELL POPULATION OF THE PANCREATIC ISLETS. Luft R, Efendic S, Hokfelt T, Johansson O, Arimura A *Med Biol* 52: 428-30, Dec 74 (Eng)

Hokin LE

THE SODIUM-POTASSIUM ADENOSINETRIPHOSPHATASE. Dahl JL, Hokin LE *Annu Rev Biochem* 43: 327-56, 1974 (Eng) [289]

Holasek A

STEREOSPECIFICITY OF LIPASES. ENZYMIC HYDROLYSIS OF ENANTIOMERIC ALKYL DIACYLGLYCEROLS BY LIPOPROTEIN LIPASE, LINGUAL LIPASE AND PANCREATIC LIPASE. Paltauf F, Esfandi F, Holasek A *FEBS Lett* 40: 119-23, 15 Mar 74 (Eng)

Holbrook JJ

THE IDENTIFICATION OF INTERMEDIATES IN THE REACTION OF PIG HEART LACTATE DEHYDROGENASE WITH ITS SUBSTRATES. Whitaker JR, Yates DW, Bennett NG, Holbrook JJ, Gutfreund H *Biochem J* 139: 677-97, Jun 74 (Eng)

Hollenberg MD

BINDING OF INSULIN AND OTHER HORMONES TO NON-RECEPTOR MATERIALS: SATURABILITY, SPECIFICITY AND APPARENT NEGATIVE COOPERATIVITY. Cuatrecasas P, Hollenberg MD *Biochem Biophys Res Commun* 62: 31-41, 6 Jan 75 (Eng)

Hollender A

BLOOD GLUCOSE MEASUREMENT WITH DEXTROSTIX AND NEW REFLECTANCE METER. Scherstin B, Kuhl C, Hollender A, Ekman R *Br Med J* 3: 384-7, 10 Aug 74 (Eng)

Hollingsworth DR

LETTER: MANAGEMENT OF LIPOATROPHIC DIABETES. Upton GV, Corbin A, Mabry CC, Hollingsworth DR *N Engl J Med* 292: 592, 13 Mar 75 (Eng)

Holsclaw DS

ENDOGENOUS AND EXOGENOUS INSULIN RESPONSES IN PATIENTS WITH CYSTIC FIBROSIS. Wilmschurst EG, Soeldner JS, Holsclaw DS, Kaufmann RL, Shwachman H, Aoki TT, Gleason RE *Pediatrics* 55: 75-82, Jan 75 (Eng)

Holst JJ

GLUCAGON AND PLASMA CATECHOLAMINE RESPONSES TO GRADED AND PROLONGED EXERCISE IN MAN. Galbo H, Holst JJ, Christensen NJ *J Appl Physiol* 38: 70-6, Jan 75 (Eng)

Holten E

GLUCOKINASE AND GLUCOSE 6-PHOSPHATE DEHYDROGENASE IN NEISSERIA. Holten E *Acta Pathol Microbiol Scand* [B] 82: 201-6, Apr 74 (Eng)

COMPARATIVE STUDY; NEISSERIA (enzymology); NEISSERIA GONORRHOEA (enzymology); NEISSERIA MENINGITIDIS (enzymology); GLUCOKINASE (metabolism); GLUCOSEPHOSPHATE DEHYDROGENASE (metabolism); ELECTROPHORESIS;

POLYSACCHARIDES; CULTURE MEDIA; GLUCOSE (pharmacodynamics); STIMULATION, CHEMICAL; SPECIES SPECIFICITY.

Holz RW

THE EFFECTS OF THE POLYENE ANTIBIOTICS NYSTATIN AND AMPHOTERICIN B ON THIN LIPID MEMBRANES. Holz RW *Ann NY Acad Sci* 235: 469-79, 10 May 74 (Eng)

NYSTATIN (pharmacodynamics); AMPHOTERICIN B (pharmacodynamics); MEMBRANES, ARTIFICIAL; LIPIDS; MODELS, BIOLOGICAL; CELL MEMBRANE (drug effects); STRUCTURE-ACTIVITY RELATIONSHIP; MOLECULAR CONFORMATION; CHOLESTEROL; MODELS, STRUCTURAL; ELECTRIC CONDUCTIVITY; STEROLS; TEMPERATURE; ERGOSTEROL; WATER; PERMEABILITY; OSMOLAR CONCENTRATION; HYDROGEN-ION CONCENTRATION; CHEMISTRY; MATHEMATICS; AMINO SUGARS.

Honegger P

FURTHER EVIDENCE FOR THE MULTIPLICITY OF CARRIERS FOR FREE GLUCALOGUES IN HAMSTER SMALL INTESTINE. Honegger P, Gershon E *Biochim Biophys Acta* 352: 127-34, 30 May 74 (Eng)

HAMSTERS; ANIMAL EXPERIMENTS; MALE; FEMALE; COMPARATIVE STUDY; SODIUM (pharmacodynamics); INTESTINE, SMALL (metabolism, drug effects, growth & development); GLUCOSE (metabolism); FRUCTOSE (metabolism); DEOXY SUGARS (metabolism); INTESTINAL MUCOSA (metabolism, drug effects, growth & development); BIOLOGICAL TRANSPORT; AGING; TRITIUM; MANNITOL (metabolism).

Honigsmann G

[BEHAVIOR OF THE FATTY ACID PATTERN OF TRIGLYCERIDES IN LIVER PARENCHYMA AND DEPOT FATS IN DIABETIC PATIENTS IN RELATION TO FATTY LIVER] Singer P, Gnauck G, Thielke H, Honigsmann G, Buntrock P, Kettler LH *Dtsch Z Verdau Stoffwechselkr* 34: 27-35, 1974 (Ger)

Hope-Gill H

MODE OF INSULIN ACTION. Kissebah AH, Tulloch BR, Hope-Gill H, Clarke PV, Vydellingum N, Fraser TR *Lancet* 1: 144-7, 18 Jan 75 (Eng)

Horigome K

EFFECT OF INTRAPANCREATIC ADMINISTRATION OF CALCIUM UPON GLUCAGON SECRETION IN DOGS. Ohneda A, Matsuda K, Horigome K, Ishii S, Yamagata S *Tohoku J Exp Med* 113: 301-11, Aug 74 (Eng)

Horiuchi T

[EFFECTS OF PHOTOCOAGULATION ON THE VELOCITY OF RETINAL CIRCULATION IN DIABETIC RETINOPATHY (AUTHORS TRANSL)] Okano T, Horiuchi T, Saruya S, Sukegawa Y *Acta Soc Ophthalmol Jpn* 78: 926-38, 10 Sep 74 (Jpn)

Hornung D

[BIOLOGICAL AND RADIOIMMUNOLOGICAL STUDIES ON HUMAN PROLACTIN, HUMAN GROWTH HORMONE, AND HUMAN PLACENTAL LACTOGEN] Lindenmeyer D, Hornung D, Theile L *Eur Orthod Soc Rep Congr* 63: 217-24, May 74 (Eng)

Horsch AK

[PROCEEDINGS: INCORPORATION OF 1-14C-OLEIC ACID IN SUBCELLULAR FRACTIONS OR NORMAL AND ATHEROSCLEROTIC HUMAN FEMORAL ARTERIES IN VITRO] Horsch AK, Day AJ *Munch Med Wochenschr* 116: 1111-2, 31 May 74 (Ger)

HUMAN; IN VITRO; SUBCELLULAR FRACTIONS (metabolism); FEMORAL ARTERY (metabolism); ARTERIOSCLEROSIS (metabolism); OLEIC ACID (metabolism); CARBON RADIOISOTOPES; LIPIDS (biosynthesis); CHOLESTEROL (biosynthesis).

Horstmann H

[ISOXAZOLECARBOXAMIDOALKYL-BENZOLESFONYLUREA, -SEMICARBAZIDE AND -AMINOPYRIMIDINE AS WELL AS RELATED COMPOUNDS AND THEIR BLOOD SUGAR REDUCING ACTIVITY] Plumpe H, Horstmann H, Puls W *Arzneim Forsch* 24: 363-74, Mar 74 (Ger)

Hortnagl H

MEMBRANE PROTEINS OF CATECHOLAMINE-STORING VESICLES IN ADRENAL MEDULLA AND SYMPATHETIC NERVES. Winkler H, Hortnagl H, Asamer H, Platner H *Adv Exp Med Biol* 32: 69-81, 1972 (Eng)

HsuChen CC

BASIS FOR THE SELECTIVITY OF ACTION OF THE POLYMYXIN ANTIBIOTICS ON CELL MEMBRANES. Feingold DS, HsuChen CC, Sud U *Ann NY Acad Sci* 235: 480-92, 10 May 74 (Eng)

Hua A

ORAL DIAZOXIDE IN UNCONTROLLED MALIGNANT HYPERTENSION. Fang P, MacDonald I, Laver M, Hua A, Kincaid-Smith P *Med J Aust* 2: 621-4, 26 Oct 74 (Eng)

Huang L

CONTROL OF MEMBRANE LIPID FLUIDITY IN ACHOLEPLASMA LAIDLAWII. Huang L, Lorch SK, Smith GG, Haug A *FEBS Lett* 43: 1-5, 1 Jul 74 (Eng)

COMPARATIVE STUDY; MYOPLASMA LAIDLAWII (metabolism, cytology); LIPIDS (metabolism); CELL MEMBRANE (metabolism); ELECTRON SPIN RESONANCE; MOLECULAR CONFORMATION; CAROTENOID (metabolism); SPECTROPHOTOMETRY; TEMPERATURE; OLEIC ACID (metabolism); FATTY ACIDS, NONESTERIFIED (metabolism); STRUCTURE-ACTIVITY RELATIONSHIP.

Hubbe P

[IMPORTANCE OF DIETETIC FACTORS IN MIGRAINE] Hubbe P *Ugeskr Laeger* 136: 2863-8, 16 Dec 74 (Dan) [50]

DIET; ENGLISH ABSTRACT; FEMALE; FOOD HYPERSENSITIVITY (complications); HEADACHE (etiology); HUMAN; HYPOGLYCEMIA (complications); MALE; MIGRAINE (diet therapy, chemically induced, etiology); PSYCHOPHYSIOLOGIC DISORDERS (complications); REVIEW; TYRAMINE (adverse effects).

Huff H

[PROCEEDINGS: DYNAMICS OF GROWTH HORMONE SECRETION IN ACROMEGALY AND NORMAL ANTERIOR PITUITARY GLAND FUNCTION] Huff H, Werder K von *Munch Med Wochenschr* 116: 1107, 31 May 74 (Ger)

HUMAN; SOMATOTROPIN (secretion, blood); ACROMEGALY (physiopathology); PITUITARY GLAND (physiopathology); HYPOPHYSECTOMY; TIME FACTORS.

Hulka BS

MEDICATION USE AND MISUSE: PHYSICIAN-PATIENT DISCREPANCIES. Hulka BS, Kupper LL, Cassel JC, Efrid RL *J Chronic Dis* 28: 7-21, Jan 75 (Eng)

ADULT; AGED; CHRONIC DISEASE; COMMUNICATION; DIABETES MELLITUS (drug therapy); DRUG ABUSE; DRUG

UTILIZATION; EDUCATIONAL MEASUREMENT; FEMALE; HEART FAILURE, CONGESTIVE (drug therapy); HUMAN; IN VITRO; MEDICATION ERRORS; MIDDLE AGE; PHYSICIAN-PATIENT RELATIONS; PRESCRIPTIONS; SOCIAL CLASS; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Hulme P

AVERSION TO SUCROSE IN OBESITY. Underwood PJ, Belton E, Hulme P *Proc Nutr Soc* 32: 93a-94a, Dec 73 (Eng)

Hultman E

NORMAL CARBOHYDRATE METABOLISM AND CARBOHYDRATE METABOLISM IN TRAUMA. Hultman E, Bergstrom J, Nilsson LH *Acta Anaesthesiol Scand [Suppl]* 28-49, 1974 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ADENOSINE TRIPHOSPHATE (biosynthesis); ANAEROBOSIS; ANOXIA (metabolism); BRAIN (metabolism); CARBOHYDRATES (metabolism); DIETARY CARBOHYDRATES (metabolism); EPINEPHRINE (physiology); EXERTION; GLUCAGON (physiology); GLUCONEOGENESIS; GLUCOSE (metabolism); GLYCOGEN SYNTHETASE (metabolism); GLYCOGEN (metabolism); HUMAN; HYPERGLYCEMIA (metabolism); INSULIN (physiology); KETONE BODIES (metabolism); LACTATES (metabolism); LIVER (metabolism); MUSCLES (metabolism); OXIDATIVE PHOSPHORYLATION; POSTOPERATIVE COMPLICATIONS (metabolism); PYRUVATES (metabolism); STARVATION (metabolism); WOUNDS AND INJURIES (metabolism).

Hummel L

STUDIES ON THE LIPID METABOLISM USING 14C-1-PALMITATE IN FETAL RATS. Hummel L, Schirmmeister W, Zimmermann T, Wagner H *Biol Neonate* 24: 289-305, 1974 (Eng)

PREGNANCY; RATS; ANIMAL EXPERIMENTS; FEMALE; LIPIDS (metabolism); FETUS (metabolism); CARBON RADIOISOTOPES; PALMITIC ACID (diagnostic use); MODELS, BIOLOGICAL; FATTY ACIDS, NONESTERIFIED (metabolism); TRIGLYCERIDES (biosynthesis); PHOSPHOLIPIDS (biosynthesis); TIME FACTORS.

Hunter GD

BOVINE KETOSIS: A REVIEW WITH RECOMMENDATIONS FOR CONTROL AND TREATMENT. Baird GD, Heitzman RJ, Hibbitt KG, Hunter GD *Br Vet J* 130: 214-20, May-Jun 74 (Eng) [20]

Iisalo E

THE EFFECT OF FRUCTOLOSE ON CIRCULATORY RESPONSE AFTER SYMPATHETIC STIMULATION AND ON PLASMA GROWTH HORMONE AND INSULIN LEVELS. Syvalahti E, Iisalo E, Leppanen O *Ann Clin Res* 6: 258-65, Oct 74 (Eng)

Ikebe M

FLUOROMETRIC ASSAY FOR DISCRIMINATING THE STATES OF AMINO GROUPS IN INSULIN, LYSOZYME AND ASPARAGINASE WITH FLUORESCAMINE. Tamaura Y, Todokoro K, Ikebe M, Makino H, Hirose S *FEBS Lett* 50: 70-3, 15 Jan 75 (Eng)

Ikeda K

FREEZE-FRACTURE IMAGES OF CAPILLARIES IN NORMAL AND NEOPLASTIC PITUITARIES. Tani E, Ikeda K, Kudo S, Yamagata S, Makita Y *Acta Neuropathol (Berl)* 28: 105-16, 1974 (Eng)

Ikemi Y

CHANGES OF SERUM GROWTH HORMONE IN PSYCHOSOMATIC DISORDERS. Suematsu H, Kurokawa N, Tamai H, Ikemi Y *Psychother Psychosom* 24: 161-4, 1974 (Eng)

Ilchevski S

[NEUROPATHY IN DIABETES MELLITUS] Ilchevski S, Smilenova I, Minchev M *Vutr Boles* 13: 122-5, 1974 (Bul)

AGED; ATHETOSIS (etiology); CHOREA (etiology); DIABETIC NEUROPATHIES (diagnosis, drug therapy); ENGLISH ABSTRACT; FEMALE; HUMAN; HYPERKINESIS (etiology); INSULIN (therapeutic use); MALE.

Illner P

THE ADENOHYPOPHYSIAL RESPONSE TO STRESS AND ITS HYPOTHALAMIC CONTROL. McCann SM, Krulich L, Illner P, Oujida M, Ajika K, Fawcett CP *Adv Exp Med Biol* 33: 157-64, 1972 (Eng)

Imawari M

[LIPOATROPHIC DIABETES WITH FAT MALABSORPTION (AUTHORS TRANSL.)] Imawari M, Takeuchi A, Yamaji T, Kitamura T, Akanuma Y *J Jpn Soc Intern Med* 63: 656-62, 10 Jul 74 (Jpn)

ADULT; DIABETES MELLITUS (complications); FEMALE; HUMAN; LIPODYSTROPHY (complications); SPRUE (complications).

Imparato AM

EVALUATION OF PERIPHERAL VASCULAR DISEASE USING RADIOACTIVE XENON. Denaro JA, Weinstein G, Imparato AM, Braunstein P *Rev Surg* 32: 65-7, Jan-Feb 75 (Eng)

Imre S

THE EFFECT OF CAMP ON PHOSPHOLIPID METABOLISM. Imre S *Acta Biochim Biophys Acad Sci Hung* 7: 247-9, 1972 (Eng)

RATS; ANIMAL EXPERIMENTS; COMPARATIVE STUDY; ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); LECITHINS (metabolism); LYSOLECITHIN (metabolism); LUNG (metabolism, drug effects); CHROMATOGRAPHY, THIN LAYER; THEOPHYLLINE (pharmacodynamics).

Intaglietta J

ALCOHOL AND NERVOUS SYSTEM WITH SPECIAL REFERENCE TO THE ENOLIC NEUROPATHIES. Brage D, Garibaldi MD, Intaglietta J, Buenaventura I, Famulari A *Int J Neurol* 9: 173-85, 1974 (Eng)

Iparraguirre de Weinstein B

[RED BLOOD CELLS AS EFFECTORS OF THYROID HORMONES] Weinstein M, Iparraguirre de Weinstein B *Medicina (B Aires)* 34: 146-56, Mar 74 (Spa) [106]

Irvine WJ

ANTIBODIES TO PANCREATIC ISLET CELLS IN INSULIN-DEPENDENT DIABETICS WITH COEXISTENT AUTOIMMUNE DISEASE. MacCuish AC, Irvine WJ, Barnes EW, Duncan LJ *Lancet* 2: 1529-31, 28 Dec 74 (Eng)

Isaacs B

EPISODIC WEAKNESS IN THYROTOXICOSIS. Isaacs B, Thomas E, Hall JA *Practitioner* 213: 69-72, Jul 74 (Eng)

ADULT; BODY WEIGHT; CARBIMAZOLE (therapeutic use); DIABETES MELLITUS (complications, drug therapy); ELECTROCARDIOGRAPHY; FEMALE; GASTROENTERITIS (complications); GLUCOSE TOLERANCE TEST; HUMAN; HYPERTHYROIDISM (complications, drug therapy); HYPOKALEMIA (complications); INSULIN (therapeutic use); MALE; MOVEMENT

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Ishida H

DISORDERS (etiology); MUSCLES (pathology); PARALYSIS (etiology); PERIODICITY; PROTEIN-BOUND IODINE TEST; PULSE; REST; THYROID GLAND (pathology).

Ishida H

EFFECTS OF BICYCLIC LEUCINE ANALOGUES ON INSULIN RELEASE FROM THE PERFUSED RAT PANCREAS AND FLUORESCENCE OF REDUCED PYRIDINE NUCLEOTIDES FROM PERFUSED PANCREATIC ISLETS. Joost HG, Panten U, Ishida H, Poser W, Hasselblatt A *Life Sci* 16: 247-54, 15 Jan 75 (Eng)

Ishii S

EFFECT OF INTRAPANCREATIC ADMINISTRATION OF CALCIUM UPON GLUCAGON SECRETION IN DOGS. Ohneda A, Matsuda K, Horigome K, Ishii S, Yamagata S *Tohoku J Exp Med* 113: 301-11, Aug 74 (Eng)

Isom GE

ALTERATION OF IN VIVO GLUCOSE METABOLISM BY COBALTOUS CHLORIDE. Isom GE, Way JL *Toxicol Appl Pharmacol* 27: 131-9, Jan 74 (Eng)

MICE; ANIMAL EXPERIMENTS; MALE; GLUCOSE (metabolism); COBALT (pharmacodynamics, administration & dosage); CHLORIDES (pharmacodynamics); CARBON RADIOISOTOPES; CARBON DIOXIDE (metabolism); FECEs (analysis); BIOLOGICAL TRANSPORT (drug effects); TIME FACTORS; DOSE-RESPONSE RELATIONSHIP, DRUG.

Istvan F

PREVENTION OF THE RESPIRATORY DISTRESS SYNDROME IN THE NEWBORN BY STEROID THERAPY OF THE MOTHER BEFORE DELIVERY. Jmrre H, Istvan F, Szabolcs S, Karoly M *Orv Hetil* 116: 195-6, 26 Jan 75 (Hun)

Ivanov IT

RUMEN ACIDOSIS AND THE DIABETIC SYNDROME IN CATTLE. Ivanov IT *Vet Med Nauki* 11: 59-63, 1974 (Bul)

ACIDOSIS, DIABETIC (veterinary); ANIMAL EXPERIMENTS; CATTLE DISEASES (physiopathology); CATTLE; DIABETES MELLITUS (veterinary); ENGLISH ABSTRACT; FEMALE; RUMEN (physiopathology).

Iwamoto T

MECHANISMS OF HYPERGLYCEMIC RESPONSE TO CHLORPROMAZINE ADMINISTERED INTO LATERAL VENTRICLE IN RATS. I. POSSIBLE ROLE OF DOPAMINERGIC NERVOUS SYSTEM. Fujimori K, Iwamoto T *Neuropharmacology* 13: 245-54, Apr 74 (Eng)

MECHANISMS OF HYPERGLYCEMIC RESPONSE TO CHLORPROMAZINE ADMINISTERED INTO LATERAL VENTRICLE IN RATS. II. SECRETION OF EPINEPHRINE FROM ADRENAL MEDULLA. Fujimori K, Iwamoto T *Neuropharmacology* 13: 255-60, Apr 74 (Eng)

Jackson RJ

A METHOD FOR THE EPIDEMIOLOGIC STUDY OF EARLY DIABETES. Rand CG, Jackson RJ, Mackie CC *Can Med Assoc J* 111: 1312-4, 21 Dec 74 (Eng)

Jacobi JD

PITUITARY APOPLEXY IN ACROMEGALY FOLLOWED BY PARTIAL PITUITARY INSUFFICIENCY. Jacobi JD, Fishman LM, Daroff RB *Arch Intern Med* 134: 559-61, Sep 74 (Eng)

ADULT; HUMAN; MALE; PITUITARY DISEASES (etiology, diagnosis, drug therapy); ACROMEGALY (complications, diagnosis, drug therapy, physiopathology); HYPOPITUITARISM (etiology, diagnosis, drug therapy);

CORTICOSTERONE (therapeutic use); SOMATOTROPIN (blood).

Jacoby JH

PATTERNS OF SPONTANEOUS CORTISOL AND GROWTH HORMONE SECRETION IN RHESUS MONKEYS DURING THE SLEEP-WAKING CYCLE. Jacoby JH, Sassin JF, Greenstein M, Weitzman ED *Neuroendocrinology* 14: 165-73, 74 (Eng)

MONKEYS; ANIMAL EXPERIMENTS; MALE; HYDROCORTISONE (secretion, blood); SOMATOTROPIN (secretion, blood); CIRCADIAN RHYTHM; MACACA; SLEEP; WAKEFULNESS; MATHEMATICS; SLEEP, REM; SECRETORY RATE.

Jacquemin C

EXISTENCE OF TWO POOLS OF PROSTAGLANDINS DURING STIMULATION OF THE THYROID BY TSH. Haye B, Champion S, Jacquemin C *FEBS Lett* 41: 89-93, 15 Apr 74 (Eng)

Jalanbo H

CENTRAL HYPOTHERMIA BY 2-DEOXY-D-GLUCOSE: ANTAGONISM BY ALPHA-ADRENERGIC ACTIVATION. Muller EE, Cocchi D, Jalanbo H, Udeschini G, Peruzzi G, Mantegazza P *Eur J Pharmacol* 26: 243-55, May 74 (Eng)

James H

STUDIES ON WHOLE-BODY POTASSIUM IN NON-KETOACIDOTIC DIABETICS BEFORE AND AFTER TREATMENT. Walsh CH, Soler NG, James H, Fitzgerald MG, Malins JM *Br Med J* 4: 738-40, 28 Dec 74 (Eng)

Jansen FK

IMMUNE INSULITIS AND MANIFEST DIABETES MELLITUS. STUDIES ON THE COURSE OF IMMUNE INSULITIS AND THE INDUCTION OF DIABETES MELLITUS IN RABBITS IMMUNIZED WITH INSULIN. Kloppe G, Altenahr E, Freytag G, Jansen FK *Virchows Arch [Pathol Anat]* 364: 333-46, 1974 (Eng)

Jarrett F

PARENTERAL NUTRITION. Jarrett F *Prog Surg* 13: 125-37, 1974 (Eng) [30]

ACIDOSIS (etiology); ADULT; AMMONIA (blood); BLOOD SUGAR (analysis); CATHETERIZATION (methods, adverse effects); CHILD; CONVALESCENCE; FATTY ACIDS (deficiency); FRUCTOSE; GLUCOSE; GLYCOSURIA (etiology); HUMAN; HYPERGLYCEMIA (etiology); HYPOKALEMIA (etiology); INFANT; INSULIN (blood); MONILIASIS (etiology); NUTRITIONAL REQUIREMENTS; PARENTERAL FEEDING (adverse effects); PHOSPHATES (blood); POSTOPERATIVE CARE; PROTEIN HYDROLYSATES; PROTEINS; REVIEW; STARVATION (metabolism); VITAMINS.

Jarrott B

REGULATORY ROLE OF ADENYL CYCLASE AND CYCLIC AMP. Jarrott B, Picken GM *Adv Cardiol* 12: 149-61, 1974 (Eng)

RATS; ANIMAL EXPERIMENTS; MALE; IN VITRO; MYOCARDIUM (enzymology); ADENYL CYCLASE (analysis); ULTRACENTRIFUGATION; ULTRAFILTRATION; SUBCELLULAR FRACTIONS (enzymology); SUCROSE; POTASSIUM CHLORIDE; CYTOPLASM (enzymology); SARCOLEMMA (enzymology); MITOCHONDRIA, MUSCLE (enzymology); SARCOPLASMIC RETICULUM (enzymology); SUCCINATE DEHYDROGENASE (analysis); CYTOCHROME REDUCTASES (analysis); LACTATE DEHYDROGENASE (analysis); ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (analysis); PHOSPHATASES (analysis).

Jarrousse C

INTERACTION OF AMINO ACIDS AND CYCLIC AMP ON THE RELEASE OF INSULIN AND GLUCAGON BY NEWBORN RAT PANCREAS. Jarrousse C, Rosselin G *Endocrinology* 96: 168-77, Jan 75 (Eng)

ALANINE (pharmacodynamics); AMINO ACIDS (pharmacodynamics); ANIMAL EXPERIMENTS; ANIMALS, NEWBORN; ARGININE (pharmacodynamics); COMPARATIVE STUDY; DIBUTYRYL CYCLIC AMP (pharmacodynamics); DRUG SYNERGISM; GLUCAGON (secretion); GLUCOSE (pharmacodynamics); IN VITRO; INSULIN (secretion, immunology); IODINE RADIOISOTOPES; LYSINE (pharmacodynamics); PANCREAS (metabolism); RADIOIMMUNOASSAY; RADIOLOGAND ASSAY; RATS; STIMULATION, CHEMICAL; THEOPHYLLINE (pharmacodynamics).

Javid JJ

ASSOCIATION OF GLYCOPROTEINS WITH THE MEMBRANES. II. ISOLATION AND PARTIAL CHARACTERIZATION OF LIPOPHILIC FRAGMENT FROM HUMAN ERYTHROCYTE MEMBRANE GLYCOPROTEIN. Javid JJ, Winkler RJ *Biochemistry* 13: 3639-42, 27 Aug 74 (Eng)

HUMAN; GLYCOPROTEINS (blood); ERYTHROCYTES (analysis); CELL MEMBRANE (analysis); TRYPSIN; PEPTIDE FRAGMENTS (isolation & purification, analysis); GLYCOPOLYMER (isolation & purification, analysis); SOLUBILITY; AMINO ACIDS (analysis); ALCOHOLS (analysis); NEURAMINIC ACIDS (analysis); CARBOHYDRATES (analysis); ULTRACENTRIFUGATION; PROTEINS (analysis); FUCOSE (analysis); MANNOSE (analysis); GALACTOSE (analysis); GALACTOSAMINE (analysis); GLUCOSAMINE (analysis); ACETIC ACIDS (analysis); LIPIDS (analysis); GEL FILTRATION.

Jewitt D

AORTIC VELOCITY AND ACCELERATION MEASUREMENTS IN THE ASSESSMENT OF CORONARY HEART DISEASE. Jewitt D, Gabe I, Mills C, Maurer B, Thomas M, Shillingford J *Eur J Cardiol* 1: 299-305, Mar 74 (Eng)

ACUTE DISEASE; ANGINA PECTORIS (diagnosis); AORTA; AORTOCORONARY BYPASS; BLOOD FLOW VELOCITY; BLOOD PRESSURE DETERMINATION; CARDIAC OUTPUT; CORONARY DISEASE (diagnosis); ELECTROCARDIOGRAPHY; FEMALE; GLUCAGON (diagnostic use); HEART CATHETERIZATION; HEART CONDUCTION SYSTEM (drug effects); HEART FAILURE; CONGESTIVE (diagnosis); HEART VENTRICLE (physiopathology); HUMAN; MALE; MITRAL VALVE INSUFFICIENCY (diagnosis); MYOCARDIAL INFARCT (diagnosis, physiopathology, mortality); OUABAIN (diagnostic use); PROGNOSIS; REGIONAL BLOOD FLOW.

Jipp P

[HYPOFIBRINOLYSIS IN ACUTE MYOCARDIAL INFARCTION (AUTHORS TRANSL.)] Bruhn HD, Jipp P, Okoye S, Oltmann A *Med Klin* 69: 1951-5, 22 Nov 74 (Ger)

Jmrre H

PREVENTION OF THE RESPIRATORY DISTRESS SYNDROME IN THE NEWBORN BY STEROID THERAPY OF THE MOTHER BEFORE DELIVERY. Jmrre H, Istvan F, Szabolcs S, Karoly M *Orv Hetil* 116: 195-6, 26 Jan 75 (Hun)

ADMINISTRATION, ORAL; AMNIOCENTESIS; CESAREAN SECTION; FEMALE; HUMAN; INFANT, NEWBORN; MATERNAL-FETAL EXCHANGE; PREDNISOLONE (therapeutic use, administration & dosage); PREGNANCY IN

Diabetes Literature—Author Index

Kadner RJ

DIABETES (drug therapy); PREGNANCY; PRENATAL CARE; RESPIRATORY DISTRESS SYNDROME (prevention & control).

Joasoo A

THE EFFECT OF EPINEPHRINE ON THYROID HORMONE SYNTHESIS IN THE RAT. Joasoo A, Murray IP *Acta Endocrinol (Kbh)* 77: 43-52, Sep 74 (Eng)

RATS; ANIMAL EXPERIMENTS; MALE; EPINEPHRINE (pharmacodynamics); THYROID GLAND (drug effects, metabolism); TRIIODOTHYRONINE (biosynthesis); THYROXINE (biosynthesis); THYROGLOBULIN (biosynthesis); IODINE (metabolism); IODINE RADIOISOTOPES; CHROMATOGRAPHY, PAPER; PRECIPITATION; IODOPROTEINS (metabolism); STIMULATION, CHEMICAL; DEPRESSION, CHEMICAL; TIME FACTORS; PROTEIN BINDING; TRICHLOROACETIC ACID.

Job JC

[SOMATOMEDIN ACTIVITY OF THE SERUM IN THE NORMAL CHILD AND IN HYPOPITUITARISM] Binet E, Schlumberger A, Chaussain JL, Job JC *Arch Fr Pediatr* 31: 339-46, Apr 74 (Fre)

[SOMATOMEDINS AND GROWTH] Job JC, Rapaport R *Arch Fr Pediatr* 31: 333-7, Apr 74 (Fre) [29]

REVIEW; INFANT; CHILD, PRESCHOOL; CHILD; HUMAN; MALE; FEMALE; GROWTH; SOMATOMEDIN (blood, physiology); GROWTH DISORDERS (physiopathology); ACROMEGALY (physiopathology); DWARFISM, PITUITARY (physiopathology); HYPOPITUITARISM (complications); PITUITARY GLAND (physiopathology); SOMATOTROPIN (biosynthesis).

Johansson NK

PURIFICATION OF A PROLACTIN INHIBITING HORMONE AND THE REVEALING OF HORMONE D-GHIH WHICH INHIBITS THE RELEASE OF GROWTH HORMONE. Greibrokk T, Currie BL, Johansson NK, Hansen JJ, Folkers K *Biochem Biophys Res Commun* 59: 704-9, 24 Jul 74 (Eng)

Johansson O

IMMUNOHISTOCHEMICAL EVIDENCE FOR THE LOCALIZATION OF SOMATOSTATIN-LIKE IMMUNOREACTIVITY IN A CELL POPULATION OF THE PANCREATIC ISLETS. Luft R, Efendic S, Hokfelt T, Johansson O, Arimura A *Med Biol* 52: 428-30, Dec 74 (Eng)

Johl A

[TOTAL SYNTHESIS OF HUMAN INSULIN UNDER DIRECTED FORMATION OF THE DISULFIDE BONDS] Sieber P, Kamber B, Hartmann A, Johl A, Riniker B, Rittel W *Helv Chim Acta* 57: 2617-21, 1974 (Ger)

John TM

EFFECT OF EXERCISE ON LEVELS OF PLASMA GROWTH HORMONE, FREE FATTY ACIDS, AND GLUCOSE IN THE PIGEON. McKeown BA, John TM, George JC *Arch Int Physiol Biochim* 82: 55-62, Feb 74 (Eng)

Johnson ED

THE ASSESSMENT OF INSULIN, GLUCOSE AND LIPIDS IN ISCHEMIC THROMBOTIC CEREBROVASCULAR DISEASE. Gertler MM, Leetma HE, Koutrouby RJ, Johnson ED *Stroke* 6: 77-84, Jan-Feb 75 (Eng)

Johnson PR

EFFECTS OF STREPTOZOTOCIN ON GLUCOSE METABOLISM, INSULIN RESPONSE,

AND ADIPOSITY IN OB/OB MICE. Batchelor BR, Stern JS, Johnson PR, Mahler RJ *Metabolism* 24: 77-91, Jan 75 (Eng)

Johnson RH

ALTERATION OF METABOLIC AND HORMONAL RESPONSES TO EXERCISE BY PHYSICAL TRAINING. Rennie MJ, Johnson RH *Eur J Appl Physiol* 33: 215-26, 1974 (Eng)

Johnson WF

OPTIMIZATION AND ANALYTICAL APPLICATIONS OF THE TECHNIQUE DYNAMIC INTRODUCTION OF LIQUIDS INTO CENTRIFUGAL ANALYZERS. Burtis CA, Johnson WF, Overton JB, Tiffany TO, Mailen JC *Clin Chem* 20: 932-41, Aug 74 (Eng)

Johnston AL

LETTER: A TREATMENT FOR DIABETES INSIPIDUS. Johnston AL *NZ Med J* 80: 315, 9 Oct 74 (Eng)

CASE REPORT; CHLORPROPAMIDE (therapeutic use); DIABETES INSIPIDUS (drug therapy); FEMALE; HUMAN; MIDDLE AGE.

Jones WO

BASAL METABOLIC RATE AND LIPID AND LIVER GLYCOGEN IN MICE INFECTED BY THE NEMATODE NEMATOSPIROIDES DUBIUS. Symons LE, Jones WO *Int J Parasitol* 4: 301-5, Jun 74 (Eng)

Jonsgard K

BOVINE KETOSIS. II. THERAPY AND BIOLOGICAL FACTORS OF SIGNIFICANCE FOR RECOVERY. Jonsgard K, Hansen MA, Sogren E, Overby I *Nord Vet Med* 26: 362-9, Jun 74 (Eng)

CATTLE; ANIMAL EXPERIMENTS; FEMALE; COMPARATIVE STUDY; ACIDOSIS (veterinary, drug therapy, blood); CATTLE DISEASES (drug therapy, blood); BETAMETHASONE (therapeutic use, administration & dosage); PREDNISOLONE (therapeutic use, administration & dosage); INJECTIONS, INTRAVENOUS; INJECTIONS, INTRAMUSCULAR; BLOOD SUGAR; AGE FACTORS; ASPARTATE AMINOTRANSFERASE (blood); DAIRYING; BILIRUBIN (blood); TIME FACTORS; CALCIUM (blood); SEASONS; MAGNESIUM (blood); EVALUATION STUDIES.

Joost HG

EFFECTS OF BICYCLIC LEUCINE ANALOGUES ON INSULIN RELEASE FROM THE PERFUSED RAT PANCREAS AND FLUORESCENCE OF REDUCED PYRIDINE NUCLEOTIDES FROM PERFUSED PANCREATIC ISLETS. Joost HG, Panten U, Ishida H, Poser W, Hasselblatt A *Life Sci* 16: 247-54, 15 Jan 75 (Eng)

ANIMAL EXPERIMENTS; ANTIGENS; INSULIN (metabolism); LEUCINE (analogs & derivatives); NAD (metabolism); NADP (metabolism); OXIDATION-REDUCTION; PANCREAS (metabolism, drug effects); PERFUSION; RATS; SPECTROMETRY, FLUORESCENCE.

Jouve A

[MEDICAL TREATMENT OF MYOCARDIAL INFARCT IN THE ACUTE PHASE] Trigano JA, Torresani J, Jouve A *Rev Prat* 24: 5019-20, 5023-4, 5029-30 *passim*, 7-11 Dec 74 (Fre)

Juan CS

THE GLUCAGON INFUSION TEST AND GROWTH HORMONE SECRETION. AvRuskin TW, Tang SC, Juan CS *J Pediatr* 86: 102-6, Jan 75 (Eng)

Juano Pedregal C

[EFFECT OF GLUCAGON ON THE MUSCUL TONE OF THE DUODENAL WALL. RADIOLOGICAL USEFULNESS] Silvan Delgado M, Juano Pedregal C, Gonzalez Tutor A, Fernandez Echevarria MA *Rev Esp Enferm Apar Dig* 44: 797-810, 15 Dec 74 (Spa)

Jug M

PERTURBATION OF LEUKOCYTE METABOLISM BY NONPHAGOCYTOSABLE CONCAVALIN A-COUPLED BEADS. Romeo D, Jug M, Zabucchi G, Rossi F *FEBS Lett* 42: 90-3, 15 May 74 (Eng)

John SK

SOME CHEMICAL PARAMETERS OF SERUM, CEREBROSPINAL FLUID, PERILYMPH, AND AQUEOUS HUMOR OF THE CHINCHILLA. John SK, Haugen J, Steven L *Lab Anim Sci* 24: 691-5, Aug 74 (Eng)

ANIMAL EXPERIMENTS; COMPARATIVE STUDY; CHINCHILLAS (metabolism); BLOOD CHEMICAL ANALYSIS (veterinary); CEREBROSPINAL FLUID (analysis); LABYRINTHINE FLUIDS (analysis); AQUEOUS HUMOR (analysis); ELECTROLYTES (cerebrospinal fluid, blood, analysis); CEREBROSPINAL FLUID PROTEINS (analysis); BLOOD PROTEINS (analysis); BLOOD SUGAR (analysis); GLUCOSE (cerebrospinal fluid, analysis); LACTATE DEHYDROGENASE (analysis, cerebrospinal fluid, blood); MALATE DEHYDROGENASE (analysis, cerebrospinal fluid, blood); PROTEINS (analysis).

Juokslahi T

A STUDY OF THE EFFECTS OF NICOTINIC ACID IN CATTLE, WITH SPECIAL REFERENCE TO KETOSIS THERAPY. Nurmi P, Roine K, Juokslahi T, Loman A *Nord Vet Med* 26: 370-81, Jun 74 (Eng)

Jurcovicova J

POSTTRAUMATIC REGULATION OF INSULIN SECRETION IN ADAPTED RATS. Vigas M, Nemeth S, Jurcovicova J *Physiol Bohemoslov* 23: 245-9, 1974 (Eng)

Kaback HR

MECHANISMS OF ACTIVE TRANSPORT IN ISOLATED BACTERIAL MEMBRANE VESICLES. FURTHER STUDIES ON AMINO ACID TRANSPORT IN STAPHYLOCOCCUS AUREUS MEMBRANE VESICLES. Short SA, Kaback HR *J Biol Chem* 249: 4275-81, 10 Jul 74 (Eng)

MEMBRANE TRANSPORT AS A POTENTIAL TARGET FOR ANTIBIOTIC ACTION. Walsh CT, Kaback HR *Ann NY Acad Sci* 235: 519-41, 10 May 74 (Eng) [55]

Kaburagi H

[OCULAR ULTRASONIC BLOOD RHEOGRAPHY WITH O-CROSS COUNTER. REPORT IV. STUDIES OF DIABETIC RETINOPATHY] Yamamoto Y, Hirano S, Kaburagi H, Tomota M, Sueno M *Acta Soc Ophthalmol Jpn* 78: 913-25, 10 Sep 74 (Jpn)

Kadner RJ

METHIONINE TRANSPORT IN ESCHERICHIA COLI: PHYSIOLOGICAL AND GENETIC EVIDENCE FOR TWO UPTAKE SYSTEMS. Kadner RJ, Watson WJ *J Bacteriol* 119: 401-9, Aug 74 (Eng)

ESCHERICHIA COLI (metabolism, growth & development, enzymology); METHIONINE (metabolism); STEREOISOMERS; MUTATION; CARBON RADIOISOTOPES; BIOLOGICAL TRANSPORT, ACTIVE; SULFUR RADIOISOTOPES; CONJUGATION, GENETIC; CROSSES, GENETIC; TRANSDUCTION, GENETIC; GENES; LINKAGE (GENETICS); GLUCOSE (metabolism); NITROPHENOLS

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Kajinuma H

(pharmacodynamics); CYANIDES (pharmacodynamics); LYASES (metabolism); CYSTATHIONINE; ETHYLMALIMIDE (pharmacodynamics).

Kajinuma H

EFFECT OF SPLANCHNIC NERVE STIMULATION ON GLUCAGON AND INSULIN OUTPUT IN THE DOG. Kaneto A, Kajinuma H, Kosaka K *Endocrinology* 96: 143-50, Jan 75 (Eng)

Kajubi SK

LETTERS TO THE EDITOR: SERUM INSULIN AND GROWTH HORMONE AFTER KWASHIORKOR. Kajubi SK, Okel RM *Am J Clin Nutr* 27: 1200-1, Nov 74 (Eng)

CHILD, PRESCHOOL; FASTING; HUMAN; INFANT; INSULIN (blood); KWASHIORKOR (blood, diet therapy); NUTRITION DISORDERS (etiology); SERUM ALBUMIN (metabolism); SOCIOECONOMIC FACTORS; SOMATOTROPIN (blood).

Kamber B

[TOTAL SYNTHESIS OF HUMAN INSULIN UNDER DIRECTED FORMATION OF THE DISULFIDE BONDS] Sieber P, Kamber B, Hartmann A, Johl A, Riniker B, Rittel W *Helv Chim Acta* 57: 2617-21, 1974 (Ger)

Kaneto A

EFFECT OF SPLANCHNIC NERVE STIMULATION ON GLUCAGON AND INSULIN OUTPUT IN THE DOG. Kaneto A, Kajinuma H, Kosaka K *Endocrinology* 96: 143-50, Jan 75 (Eng)

ANIMAL EXPERIMENTS; ATROPINE (pharmacodynamics); BLOOD SUGAR (metabolism); DOGS; ELECTRIC STIMULATION; GLUCAGON (secretion, blood); INSULIN (secretion, blood); LIGATION; PANCREAS (metabolism); PHENTOLAMINE (pharmacodynamics); PROPRANOLOL (pharmacodynamics); SPLANCHNIC NERVES (physiology); STIMULATION, CHEMICAL; TIME FACTORS.

Kapoor M

THE INFLUENCE OF LIGANDS ON THE FLUORESCENCE OF THE COMPLEX BETWEEN 8-ANILINO-1-NAPHTHALENE SULFONATE AND PYRUVATE KINASE OF NEUROSPORA. Kapoor M *Can J Biochem* 52: 599-609, Jul 74 (Eng)

COMPARATIVE STUDY; PYRUVATE KINASE (metabolism); ANILINO NAPHTHALENESULFONATES; NEUROSPORA (enzymology); LIGANDS; PROTEIN BINDING; BINDING SITES; PROTEIN CONFORMATION; SPECTROMETRY, FLUORESCENCE; HEXOSEDIPHOSPHATES (pharmacodynamics); FRUCTOSEPHOSPHATES (pharmacodynamics); KINETICS; BUFFERS; DRUG STABILITY; SPECTROPHOTOMETRY, ULTRAVIOLET; PHOSPHOENOLPYRUVATE; MOLECULAR WEIGHT; TEMPERATURE; ADENOSINE DIPHOSPHATE; HYDROGEN-ION CONCENTRATION; ALLOSTERIC REGULATION; TIME FACTORS.

Karacan I

THE EFFECT OF ACUTE FASTING ON SLEEP AND THE SLEEP-GROWTH HORMONE RESPONSE. Karacan I, Rosenbloom AL, Londono JH, Salis PJ, Thornby JJ, Williams RL *Psychosomatics* 14: 33-7, Jan-Feb 73 (Eng)

ADULT; HUMAN; MALE; FASTING; SLEEP; SOMATOTROPIN (secretion); SLEEP STAGES; ELECTROENCEPHALOGRAPHY; TIME FACTORS; SLEEP DEPRIVATION.

Karady S

CARBOHYDRATE METABOLISM IN SHOCK RESISTANCE. Bardoczai A, Aroksallasi J,

Karady S *Adv Exp Med Biol* 33: 649-53, 1972 (Eng)

Karczewska K

[ANTIBODIES AGAINST THERAPEUTIC ANIMAL INSULINS AND HOMOLOGOUS PROTEINS IN THE COURSE OF DIABETES IN CHILDREN AND ADOLESCENTS] Karczewska K *Med Dosw Mikrobiol* 26: 317-24, 1974 (Pol)

ADOLESCENCE; ANTIBODY FORMATION; CATTLE (immunology); CHILD; DIABETES MELLITUS, JUVENILE (immunology, drug therapy); ENGLISH ABSTRACT; HEMAGGLUTINATION TESTS; HUMAN; INSULIN ANTIBODIES (analysis); INSULIN RESISTANCE; INSULIN (therapeutic use); PROTEINS (immunology); SWINE (immunology).

[INSULIN ANTIBODIES AND THE ACTUAL INSULIN REQUIREMENTS IN CHILDREN AND ADOLESCENTS WITH PRIMARY DIABETES] Karczewska K, Felus E, Panek G, Otto-Buczowska E, Dudziak Z *Med Dosw Mikrobiol* 26: 325-30, 1974 (Pol)

ADOLESCENCE; CATTLE (immunology); CHILD; DIABETES MELLITUS, JUVENILE (immunology, drug therapy); ENGLISH ABSTRACT; HUMAN; INSULIN ANTIBODIES (analysis); INSULIN RESISTANCE; INSULIN (administration & dosage, therapeutic use); SWINE (immunology).

Karoly M

[PREVENTION OF THE RESPIRATORY DISTRESS SYNDROME IN THE NEWBORN BY STEROID THERAPY OF THE MOTHER BEFORE DELIVERY] Jmre H, Istvan F, Szaboels S, Karoly M *Orv Hetil* 116: 195-6, 26 Jan 75 (Hun)

Karp M

DIABETIC RETINOPATHY IN AN ADOLESCENT WITH PRADER-LABHART-WILLI SYNDROME. Savir A, Dickerman Z, Karp M, Laron Z *Arch Dis Child* 49: 963-4, Dec 74 (Eng)

Karpathios T

DEFECTIVE GROWTH HORMONE SECRETION IN PRIMARY MICROCEPHALY. Dacou-Voutetakis C, Karpathios T, Logothetis N, Constantinidis M, Matsaniotis N, Michalopoulos E *J Pediatr* 85: 498-502, Oct 74 (Eng)

Kasanen A

SERUM GROWTH HORMONE (GH) AND INSULIN (IRI) AFTER ORAL GLUCOSE IN SUBJECTS WITH RENAL FAILURE. Viljanen MK, Nousiainen R, Kasanen A, Frosstrom J *Ann Clin Res* 6: 266-71, Oct 74 (Eng)

Kasatkin IN

[SOMATOTROPIN AND NONESTERIFIED FATTY ACID CONTENT DURING THE STANDARD GLUCOSE TOLERANCE TEST IN CHILDREN AND ADOLESCENTS FROM FAMILIES WITH THE HISTORY OF DIABETES MELLITUS] Stulij LA, Balabolkin MI, Rozhnov AA, Kasatkin IN, Smirnova LK *Probl Endokrinol (Mosk)* 20: 3-7, Sep-Oct 74 (Rus)

Kasatkin IuN

[INSULIN CONTENT IN THE BLOOD SERUM OF HEALTHY GIRLS AND THE INDICES OF PHYSICAL DEVELOPMENT] Morozova TP, Kolesov DV, Kasatkin IuN, Ametov AS, Smirnova LK *Vopr Okhr Materin Det* 19: 49-51, Oct 74 (Rus)

Kashyap RP

SULFONYLUREA-INDUCED FACTITIOUS HYPOGLYCEMIA IN A NONDIABETIC NURSE. Waldfish PG, Kashyap RP, Greenstein S *Can Med Assoc J* 112: 71-2, 11 Jan 75 (Eng)

Kastin AJ

LONG-TERM INFUSION OF GROWTH HORMONE RELEASE INHIBITING HORMONE IN ACROMEGALY: EFFECTS ON PITUITARY AND PANCREATIC HORMONES. Besser GM, Mortimer CH, McNeilly AS, Thorne MO, Batistoni GA, Bloom SR, Kastrop KW, Hanssen KF, Hall R, Coy DH, Kastin AJ, Schally AV *Br Med J* 4: 622-7, 14 Dec 74 (Eng)

Kastrop KW

LONG-TERM INFUSION OF GROWTH HORMONE RELEASE INHIBITING HORMONE IN ACROMEGALY: EFFECTS ON PITUITARY AND PANCREATIC HORMONES. Besser GM, Mortimer CH, McNeilly AS, Thorne MO, Batistoni GA, Bloom SR, Kastrop KW, Hanssen KF, Hall R, Coy DH, Kastin AJ, Schally AV *Br Med J* 4: 622-7, 14 Dec 74 (Eng)

Kaufmann RL

ENDOGENOUS AND EXOGENOUS INSULIN RESPONSES IN PATIENTS WITH CYSTIC FIBROSIS. Wilmshurst EG, Soeldner JS, Holsclaw DS, Kaufmann RL, Shwachman H, Aoki TT, Gleason RE *Pediatrics* 55: 75-82, Jan 75 (Eng)

Kavanagh T

MARATHON RUNNING AFTER MYOCARDIAL INFARCTION. Kavanagh T, Shephard RH, Pandit V *JAMA* 229: 1602-5, 16 Sep 74 (Eng)

ADULT; MIDDLE AGE; HUMAN; MALE; MYOCARDIAL INFARCT (rehabilitation); EXERTION; SPORTS; SPORT MEDICINE; TIME FACTORS; OXYGEN CONSUMPTION; BODY WEIGHT; PHYSICAL EDUCATION AND TRAINING; SODIUM (blood); BLOOD SUGAR (analysis); CELL MEMBRANE PERMEABILITY; CHLORIDES (blood); BICARBONATES (blood); BLOOD PRESSURE; PROTEINURIA (diagnosis).

Kawabata T

ROLE OF BRAIN NORADRENALINE IN THE REGULATION OF PITUITARY-ADRENOCORTICAL FUNCTIONS. Kumeda H, Uchimura H, Kawabata T, Maeda Y, Okamoto O *J Endocrinol* 62: 161-2, Jul 74 (Eng)

Keene JJ Jr

ARTERIOSCLEROTIC CHANGES WITHIN THE DIABETIC ORAL VASCULATURE. Keene JJ Jr *J Dent Res* 54: 77-82, Jan-Feb 75 (Eng)

ADULT; AGED; AMPUTATION; ARTERIES (pathology); ARTERIOSCLEROSIS (pathology); BLOOD VESSELS (pathology); CAPILLARIES (pathology); DIABETIC ANGIOPATHIES (pathology); ELASTIC TISSUE (pathology); HUMAN; LEG (blood supply); MALE; MIDDLE AGE; MUCOPOLYSACCHARIDES (analysis); PALATE (blood supply); SKIN (blood supply); STAINS AND STAINING.

Kemeny P

[SIMULTANEOUS INCIDENCE OF DIABETES MELLITUS, CIRRHOTIC HEPATITIS AND 47, XX, 21&/46, XX CHROMOSOME PICTURE] Barta L, Kemeny P, Regoly Merai A *Orv Hetil* 116: 153-5, 19 Jan 75 (Hun)

Kern F

[DIABETIC MICROANGIOPATHY: COMPARISON BETWEEN MAN AND ANIMAL] Duhalault J, Lebon F, Boulanger M, Regnault F, Kern F *Biorheology* 11: 167-78, Jun 74 (Fre)

Keryer G

THE CALCIUM IONOPHORE A 23187 AS A PROBE FOR STUDYING THE ROLE OF CA²⁺ IONS IN THE MEDIATION OF CARBACHOL EFFECTS ON RAT SALIVARY GLANDS: PROTEIN SECRETION AND METABOLISM OF PHOSPHOLIPIDS AND GLYCOGEN. Rossignol B, Herman G, Cham-baut AM, Keryer G *FEBS Lett* 43: 241-6, 15 Jul 74 (Eng)

Diabetes Literature—Author Index

Kitamura K

Kettler LH

[BEHAVIOR OF THE FATTY ACID PATTERN OF TRIGLYCERIDES IN LIVER PARENCHYMA AND DEPOT FATS IN DIABETIC PATIENTS IN RELATION TO FATTY LIVER] Singer P, Gnauck G, Thoele H, Honigsmann G, Buntrock P, Kettler LH *Dtsch Z Verdau Stoffwechselkr* 34: 27-35, 1974 (Ger)

Keul J

HEART RATE AND ENERGY-YIELDING SUBSTRATES IN BLOOD DURING LONG-LASTING RUNNING. Keul J, Haralambie G, Arnold T, Schumann W *Eur J Appl Physiol* 32: 279-89, 1974 (Eng)

ADULT; HUMAN; HEART RATE; SPORTS; EXERTION; BLOOD SUGAR (analysis); LACTATES (blood); LIPIDS (blood); TRIGLYCERIDES (blood); TIME FACTORS; FATTY ACIDS, NONESTERIFIED (blood); GLYCERIN (blood); FASTING; SPORT MEDICINE.

Keup U

INHIBITION OF SUCRASE BY TRIS IN RAT AND MAN, DEMONSTRATED BY ORAL LOADING TESTS WITH SUCROSE. Puls W, Keup U *Metabolism* 24: 93-8, Jan 75 (Eng)

Keusch G

[BONE-MARROW TOXICITY, LACTIC ACIDOSIS, AND DISSEMINATED INTRAVASCULAR COAGULATION FOLLOWING PHENFORMIN MEDICATION] Riedler GF, Keusch G, Schmid M *Schweiz Med Wochenschr* 104: 1160-6, 17 Aug 74 (Ger)

Khairallah EA

EFFECT OF PHOSPHOLIPASES A AND C ON FREE AMINO ACID CONTENT OF THE SQUID AXON. Rosenberg P, Khairallah EA *J Neurochem* 23: 55-64, Jul 74 (Eng)

Khamidov GD

[RHYTHMICAL ACTIVITY OF THE ADRENAL CORTEX IN VARIOUS STATES OF THE AUTONOMIC NERVOUS SYSTEM] Belova TA, Khamidov GD *Probl Endokrinol (Mosk)* 20: 49-53, Jan-Feb 74 (Rus)

Khandwala AS

GLUCOSE OXIDATION IN ALVEOLAR MACROPHAGES: PHARMACOLOGIC FEATURES. Gee JB, Khandwala AS, McKeever PE, Malawista SE *J Reticuloendothel Soc* 15: 387-93, May 74 (Eng)

Khasanov EN

[ALDOSTERONE EXCRETION IN PATIENTS WITH DIABETES MELLITUS DEPENDING ON THE DEGREE OF DECOMPENSATION] Khasanov EN *Probl Endokrinol (Mosk)* 20: 7-10, Sep-Oct 74 (Rus)

ADRENAL CORTEX (physiopathology); ADULT; ALDOSTERONE (urine); CIRCADIAN RHYTHM; DIABETES MELLITUS (urine, physiopathology); DIURESIS; ENGLISH ABSTRACT; GLYCOSURIA; HUMAN; MIDDLE AGE.

Khaw KT

RECURRENT ACUTE PANCREATITIS IN PATIENTS WITH CYSTIC FIBROSIS WITH NORMAL PANCREATIC ENZYMES. Shwachman H, Leventhal E, Khaw KT *Pediatrics* 55: 86-95 Jan 75 (Eng)

Khedis A

INFLUENCE OF GLUCAGON ON CANALICULAR BILE PRODUCTION IN THE DOG. Khedis A, Dumont M, Duval M, Erlinger S *Biomedicine [Expre]* 21: 176-81, 10 Apr 74 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (physiology); ANIMAL EXPERIMENTS; BILE

ACIDS AND SALTS (analysis); BILE DUCTS, INTRAHEPATIC (physiology, drug effects); BILE (secretion); BLOOD SUGAR; CARBON RADIOISOTOPES; CARDIAC OUTPUT (drug effects); CATHETERIZATION; DOGS; ERYTHRITOL (metabolism); GLUCAGON (pharmacodynamics); GOLD COLLOID, RADIOACTIVE; LIVER CIRCULATION (drug effects); LIVER (metabolism, secretion); POTASSIUM (analysis); SECRETORY RATE (drug effects); SODIUM (analysis); TAUROCHOLIC ACID (pharmacodynamics).

Kheidemanis KK

[EFFECT OF HYDROCORTISONE, THYROXINE AND ALLOXAN DIABETES ON THE INCORPORATION OF THE LABELLED ACETATE-1-C14 INTO THE LIPIDS OF THE ADRENAL GLANDS AND TESTIS IN RATS] Kheidemanis KK, Petushkova TN *Probl Endokrinol (Mosk)* 20: 100-4, Sep-Oct 74 (Rus)

ACETATES (metabolism); ADRENAL GLANDS (metabolism); ALLOXAN DIABETES (metabolism); ANIMAL EXPERIMENTS; CARBON RADIOISOTOPES; CHOLESTEROL (metabolism); ENGLISH ABSTRACT; FATTY ACIDS (metabolism); HYDROCORTISONE (pharmacodynamics); LIPIDS (metabolism); MALE; PHOSPHOLIPIDS (metabolism); RATS; TESTIS (metabolism); THYROXINE (pharmacodynamics); TRIGLYCERIDES (metabolism).

Kher MM

ERYTHROCYTE GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENCY IN DIABETES (MATURITY ONSET). Kher MM, Grover SD *J Assoc Physicians India* 22: 601-4, Aug 74 (Eng)

ADULT; AGED; DIABETES MELLITUS (complications, enzymology); ERYTHROCYTES (enzymology); FEMALE; GLUCOSEPHOSPHATE DEHYDROGENASE DEFICIENCY (complications); GLUCOSEPHOSPHATE DEHYDROGENASE (blood); HUMAN; MALE; MIDDLE AGE; PHOSPHOMONOESTERASES (blood).

Kiernan JA

EFFECTS OF INSULIN, TRIIODOTHYRONINE AND CORTICOSTERONE ON ORGAN CULTURES OF THE ADULT RAT CEREBELLUM. Kiernan JA *Acta Neuropathol (Berl)* 30: 25-31, 1974 (Eng)

ANIMAL EXPERIMENTS; CEREBELLAR CORTEX (drug effects); CEREBELLUM (drug effects); CONNECTIVE TISSUE (drug effects); CORTICOSTERONE (pharmacodynamics); FEMALE; IN VITRO; INSULIN (pharmacodynamics); MALE; NEURONS (drug effects); RATS; TISSUE CULTURE; TRIIODOTHYRONINE (pharmacodynamics).

Kimura H

ACTIVATION OF HEXOSE MONOPHOSPHATE PATHWAY IN BRAIN BY ELECTRICAL STIMULATION IN VITRO. Kimura H, Naito K, Nakagawa K, Kuriyama K *J Neurochem* 23: 79-84, Jul 74 (Eng)

RATS; ANIMAL EXPERIMENTS; MALE; COMPARATIVE STUDY; CEREBRAL CORTEX (metabolism, physiology, drug effects, cytology, enzymology); GLYCOLYSIS; HEXOSEPHOSPHATES (metabolism); ELECTRIC STIMULATION; CARBON RADIOISOTOPES; GLUCOSE (metabolism); AMOBARBITAL (pharmacodynamics); GLUCOSEPHOSPHATES (metabolism); PHOSPHOGLUCONATE DEHYDROGENASE (metabolism); KINETICS; OXYGEN CONSUMPTION; GLUCOSEPHOSPHATE DEHYDROGENASE (metabolism); SODIUM (pharmacodynamics); SYNAPTOSOMES (enzymology, physiology); ENZYME ACTIVATION; TIME FACTORS; NADH, NADPH OXIDOREDUCTASES (metabolism).

Kincaid-Smith P

ORAL DIAZOXIDE IN UNCONTROLLED MALIGNANT HYPERTENSION. Fang P, MacDonald I, Laver M, Hua A, Kincaid-Smith P *Med J Aust* 2: 621-4, 26 Oct 74 (Eng)

King B

[A DAY CENTER FOR DIABETICS] King B, Spaulding WB, Wright AD *Infirm Can* 17: 28-32, Jan 75 (Fre)

ADAPTATION, PSYCHOLOGICAL; DAY CARE; DIABETES MELLITUS (therapy); HEALTH FACILITIES; HUMAN; ONTARIO; PATIENTS (education); RESEARCH; SPECIAL LIST NURSING.

Kinne R

PROXIMAL TUBULAR LACTATE TRANSPORT IN RAT KIDNEY: A MICROPUNCTURE STUDY. Hohmann B, Frohnert PP, Kinne R, Baumann K *Kidney Int* 5: 261-70, Apr 74 (Eng)

Kinney JM

HYPERALIMENTATION. Kinney JM *Acta Anaesthesiol Scand [Suppl]* 127-30, 1974 (Eng)

AMINO ACIDS (therapeutic use); BURNS (therapy); CARBOHYDRATES (administration & dosage); CATHETERIZATION; HUMAN; INSULIN (administration & dosage); NITROGEN (administration & dosage); PARENTERAL FEEDING (methods); VENA CAVA, SUPERIOR.

Kinoshita JH

THE ABSENCE OF CATARACTS IN MICE WITH CONGENITAL HYPERGLYCEMIA. Varma SD, Kinoshita JH *Exp Eye Res* 19: 577-82, Dec 74 (Eng)

Kirby MJ

PROCEEDINGS: EFFECT OF THE (MINUS-) AND (PLUS)-ISOMERS OF FENFLURAMINE AND NORFENFLURAMINE ON GLUCOSE UPTAKE BY THE ISOLATED RAT HEMIADIAPHRAGM. Kirby MJ, Turner P *Br J Pharmacol* 51: 120p-121p, May 74 (Eng)

AMPHETAMINE (pharmacodynamics); ANIMAL EXPERIMENTS; DIAPHRAGM (metabolism); FENFLURAMINE (pharmacodynamics, analogs & derivatives); GLUCOSE (metabolism); GLYCOCEN (metabolism); HYDROCARBONS, FLUORINATED (pharmacodynamics); IN VITRO; INSULIN (pharmacodynamics); PHENETHYLAMINES (pharmacodynamics); RATS; STEREOISOMERS; STRUCTURE-ACTIVITY RELATIONSHIP.

Kirkpatrick KL

FULMINANT ONSET OF DIABETES MELLITUS DURING AN ATTACK OF INFECTIOUS MONONUCLEOSIS. Burgess JA, Kirkpatrick KL, Menser MA *Med J Aust* 2: 706-7, 9 Nov 74 (Eng)

Kissebah AH

MODE OF INSULIN ACTION. Kissebah AH, Tulloch BR, Hope-Gill H, Clarke PV, Vydelingum N, Fraser TR *Lancet* 1: 144-7, 18 Jan 75 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ADENOSINE TRIPHOSPHATE (metabolism); ADIPOSE TISSUE (metabolism, enzymology); ANIMAL EXPERIMENTS; BINDING SITES; BIOLOGICAL TRANSPORT, ACTIVE; CALCIUM (metabolism); ENZYME ACTIVATION; HUMAN; IN VITRO; INSULIN (physiology); LIPASE (metabolism); OXIDATIVE PHOSPHORYLATION; PHOSPHATASES (metabolism); PHOSPHOPROTEINS (metabolism); PROTEIN KINASE (metabolism); RATS; TRIGLYCERIDES (metabolism).

Kitamura K

EFFECTS OF SURGICAL TREATMENT ON HYPOTHALAMO-PITUITARY-ADRENOCORTICAL FUNCTIONS IN PITUITARY

Diabetes Literature—Author Index

Kitamura T

TARY CHROMOPHORE ADENOMA AND CRANIOPHARYNGIOMA. Nishida S, Ando S, Kitamura K, Tomonaga M *Endocrinol Exp (Bratisl)* 8: 269-79, Dec 74 (Eng)

Kitamura T

[LIPOATROPHIC DIABETES WITH FAT MALABSORPTION (AUTHORS TRANSL.)] Imawari M, Takeuchi A, Yamaji T, Kitamura T, Akanuma Y *Jpn Soc Intern Med* 63: 656-62, 10 Jul 74 (Jpn)

Klemm G

[CHRONIC CALCIPHYLACTIC PANCREATITIS] Klemm G *Z Gesamte Inn Med* 29: 722-5, 1 Sep 74 (Ger)

ANIMAL EXPERIMENTS; CALCINOSIS (pathology, complications); CALCIUM (metabolism); CHRONIC DISEASE; ENGLISH ABSTRACT; FEMALE; ISLANDS OF LANGERHANS (pathology); PANCREATIC DUCTS (pathology); PANCREATITIS (pathology, metabolism); RATS; STAINS AND STAINING.

Klessen C

[HISTOCHEMICAL DEMONSTRATION OF PANCREATIC B-CELLS BY THE USE OF A PERFORMIC ACID-COLLOIDAL IRON/SULFIDE-SILVER METHOD (AUTHORS TRANSL.)] Klessen C *Histochemistry* 41: 133-9, 1974 (Ger)

ANIMAL EXPERIMENTS; DISULFIDES (metabolism); ENGLISH ABSTRACT; FORMIC ACIDS; HISTOCYTOCHEMISTRY; HISTOLOGICAL TECHNIQS; INSULIN (metabolism); IRON; ISLANDS OF LANGERHANS (cytology); MALE; OXIDATION-REDUCTION; PANCREAS (cytology); PEROXIDES; PROINSULIN (metabolism); RATS; SILVER; SULFIDES.

Kliachko VR

[DISORDERS OF THE CARDIOVASCULAR SYSTEM IN PATIENTS WITH DIABETES MELLITUS] Kliachko VR, Mazovetskii AG, Slavina LS *Kardiologia* 14: 150-8, Oct 74 (Rus)

ADULT; ANTIDIABETICS (therapeutic use); ARTERIOSCLEROSIS (etiology, physiopathology); BLOOD VESSELS (metabolism); DIABETES MELLITUS (complications, metabolism, diet therapy, drug therapy); DIABETIC ANGIOPATHIES (etiology, drug therapy); DIABETIC DIET; DIABETIC NEPHROPATHIES (etiology); DIABETIC RETINOPATHY (etiology); ELECTROCARDIOGRAPHY; FLUORESCENCE ANGIOGRAPHY; HEART CONDUCTION SYSTEM (physiopathology); HEART (physiopathology); HEXOSAMINES (metabolism); HUMAN; LIPOPROTEINS (metabolism); MIDDLE AGE; MUCOPOLYSACCHARIDES (metabolism); RETINAL VESSELS (metabolism).

Kloppel G

IMMUNE INSULITIS AND MANIFEST DIABETES MELLITUS. STUDIES ON THE COURSE OF IMMUNE INSULITIS AND THE INDUCTION OF DIABETES MELLITUS IN RABBITS IMMUNIZED WITH INSULIN. Kloppel G, Altenahr E, Freytag G, Jansen FK *Virchows Arch [Pathol Anat]* 364: 333-46, 1974 (Eng)

ANIMAL EXPERIMENTS; BLOOD SUGAR (analysis); DIABETES MELLITUS (immunology); ENDOPLASMIC RETICULUM; FREUNDS ADJUVANT; IMMUNIZATION; IMMUNOLOGIC DISEASES (physiopathology); INSULIN ANTIBODIES (analysis); INSULIN (physiology); ISLANDS OF LANGERHANS (immunology, physiopathology); MICROSCOPY, ELECTRON; PANCREATIC DISEASES (immunology, physiopathology); PROTEIN BINDING; RABBITS; TIME FACTORS.

Kloti R

[VITRECTOMY] Kloti R *Bull Mem Soc Fr Ophtalmol* 86: 251-3, 1973 (Fre)

HUMAN; MALE; FEMALE; VITREOUS BODY (surgery); METHODS; EYE DISEASES (surgery); SURGICAL INSTRUMENTS.

[HYALURONIC ACID AS VITREOUS BODY REPLACEMENT] Kloti R *Ophthalmologica* 165: 351-9, 1972 (Ger)

DIABETIC RETINOPATHY (surgery); HEMORRHAGE (surgery); HYALURONIC ACID (administration & dosage, therapeutic use); INJECTIONS (methods); RETINAL DETACHMENT (surgery); TIME FACTORS; VITREOUS BODY.

Knuchel F

[LETTER: PATHOGNOMONIC EFFECT OF INCREASED TRIGLYCERIDE VALUES]

Knuchel F *Med Welt* 25: 1100, 14 Jun 74 (Ger)

HUMAN; TRIGLYCERIDES (blood); ARTERIOSCLEROSIS (blood); LIPOPROTEINS (blood); BLOOD PROTEIN DISORDERS.

Koev D

[ENDOCRINE GLAND CHANGES IN A PATIENT WITH MORGAGNI-STEWART-MOREL SYNDROME] Koev D, Maleva E, Koeva L *Vutr Boles* 13: 125-9, 1974 (Bul)

AUTOPSY; BRONCHITIS (etiology); CASE REPORT; DIABETES MELLITUS (etiology); ENGLISH ABSTRACT; FEMALE; GOITER, EXOPHTHALMIC (etiology); HEADACHE (etiology); HUMAN; HYPEROSTOSIS FRONTALIS INTERNA (complications, pathology); HYPERTENSION (etiology); MIDDLE AGE; OBESITY (etiology).

Koeva L

[ENDOCRINE GLAND CHANGES IN A PATIENT WITH MORGAGNI-STEWART-MOREL SYNDROME] Koev D, Maleva E, Koeva L *Vutr Boles* 13: 125-9, 1974 (Bul)

Koizumi K

[STUDIES ON TRANSFORMATIONS OF CARBOHYDRATES. II. EPIMERIZATION AND DEGRADATION OF GLUCOSE IN DILUTED STRONG ALKALINE SOLUTION. (I) (AUTHORS TRANSL.)] Koizumi K, Hashimoto K, Mitarai M, Sawada C *J Pharm Soc Jap* 94: 232-7, Feb 74 (Jap)

ENGLISH ABSTRACT; GLUCOSE; ALKALIES; SOLUTIONS; CHEMISTRY, PHARMACEUTICAL.

Kojima S

COMPARISON OF PHARMACOLOGICAL RESPONSES TO NICOTINE AND RELEASE OF CATECHOLAMINES FROM THE ADRENALS IN DOGS AND MONKEYS. Tsujimoto A, Nishikawa T, Doi T, Kojima S *Eur J Pharmacol* 26: 236-42, May 74 (Eng)

Kolesar P

[CONCERNING THE RELATIONSHIP BETWEEN SERUM LIPIDS AND LIVER STEATOSIS IN DIABETIC RETINOPATHY AND NEPHROPATHY (AUTHORS TRANSL.)] Kolesar P, Brixova E, Tomik F *Bratisl Lek Listy* 62: 662-9, Dec 74 (Slo)

ADULT; AGED; DIABETIC NEPHROPATHIES (complications, blood); DIABETIC RETINOPATHY (complications, blood); ENGLISH ABSTRACT; FATTY LIVER (blood); FEMALE; HUMAN; LIPIDS (blood); MALE; MIDDLE AGE.

Kolesov DV

[INSULIN CONTENT IN THE BLOOD SERUM OF HEALTHY GIRLS AND THE INDICES OF PHYSICAL DEVELOPMENT] Morozova TP, Kolesov DV, Kasatkin IuN, Ametov AS, Smirnova LK *Vopr Okhr Materin Det* 19: 49-51, Oct 74 (Rus)

Konina MN

[AGE CHARACTERISTICS OF LIPID METABOLISM IN HEALTHY PERSONS AND ARTERIOSCLEROTIC PATIENTS] Korneenkova AA, Romanova EV, Sartae EB, Konina MN *Kardiologia* 14: 122-4, May 74 (Rus)

Kopsa H

[URAEIC POLYNEUROPATHY AFTER RENAL TRANSPLANTATION (AUTHORS TRANSL.)] Mamoli B, Kopsa H, Gerstenbrand F, Kotzauk R, Pateisky K *J Neurol* 208: 63-9, 1974 (Ger)

Kordzakhia TP

[COMPLICATION OF DIABETES MELLITUS BY PULMONARY TUBERCULOSIS IN MIDDLE-AGED AND OLD PATIENTS] Kordzakhia TP *Probl Endokrinol (Mosk)* 20: 10-2, Sep-Oct 74 (Rus)

AGE FACTORS; AGED; ANTITUBERCULAR AGENTS (therapeutic use); DIABETES MELLITUS (complications, drug therapy); DRUG THERAPY, COMBINATION; ENGLISH ABSTRACT; FEMALE; HUMAN; INSULIN (therapeutic use); MALE; MIDDLE AGE; TUBERCULOSIS, PULMONARY (complications, drug therapy).

Koren E

INTERACTION OF HUMAN SERUM HIGH DENSITY LIPOPROTEINS WITH TRIGLYCERIDES IN VITRO. Koren E, Maric Z, Milkovic S *FEBS Lett* 44: 43-9, 15 Aug 74 (Eng)

ADULT; MIDDLE AGE; RATS; ANIMAL EXPERIMENTS; HUMAN; MALE; FEMALE; LIPOPROTEINS, HDL (blood); TRIGLYCERIDES; PROTEIN BINDING; BINDING SITES; GEL FILTRATION; OLEIC ACID; SPECTROPHOTOMETRY; MICROSCOPY, ELECTRON; ELECTROPHORESIS, DISC; BLOOD PROTEINS (analysis); IODINE RADIOISOTOPES; LIPIDS (analysis); ADIPOSE TISSUE (enzymology); LIPOPROTEIN LIPASE; CHOLESTEROL (analysis); PHOSPHOLIPIDS (analysis); ELECTROPHORESIS, POLYACRYLAMIDE GEL; GEL DIFFUSION TESTS; IMMUNOELECTROPHORESIS; LIPOPROTEINS, VLDL.

Korff J

VESICULAR BINESIS: GLUCOSE EFFECT ON INSULIN SECRETORY VESICLES. Gabbay KH, Korff J, Schneeberger EE *Science* 187: 177-9, 17 Jan 75 (Eng)

Korman E

[EFFECT OF LOW-CALORIE DIET ON LIPOLYTIC ENZYMES AND OTHER INDEXES AND PSYCHOLOGICAL BEHAVIOR OF CHILDREN WITH ORDINARY OBESITY] Szczepinski O, Waleczak M, Korman E, Socha J, Waligora A, Waligora Z *Endokrynol Pol* 25: 31-42, Jan-Feb 74 (Pol)

Korneenkova AA

[AGE CHARACTERISTICS OF LIPID METABOLISM IN HEALTHY PERSONS AND ARTERIOSCLEROTIC PATIENTS] Korneenkova AA, Romanova EV, Sartae EB, Konina MN *Kardiologia* 14: 122-4, May 74 (Rus)

ADULT; MIDDLE AGE; AGED; HUMAN; AGE FACTORS; ARTERIOSCLEROSIS (metabolism); LIPIDS (metabolism); CHOLESTEROL (metabolism); LECITHINS (metabolism); LIPOPROTEINS (metabolism).

Korsakova NA

[CHANGES OF GASTRIC MUCOSA IN PATIENTS WITH MILD FORM OF DIABETES MELLITUS] Moskovich EG, Korsakova NA, Pogozheva AV *Probl Endokrinol (Mosk)* 20: 42, Sep-Oct 74 (Rus)

Kosaka K

EFFECT OF SPLANCHNIC NERVE STIMULATION ON GLUCAGON AND INSULIN OUTPUT IN THE DOG. Kaneto A, Kajinuma H, Kosaka K *Endocrinology* 96: 143-50, Jan 75 (Eng)

INSULIN SECRETORY RESPONSE OF DIABETICS DURING THE PERIOD OF IMPROVEMENT OF GLUCOSE TOLERANCE TO NORMAL RANGE. Kosaka K, Hagura R, Kuzuya T, Kuzuya N *Diabetologia* 10: 775-82, Dec 74 (Eng)

ADULT; AGED; BLOOD SUGAR (analysis); DIABETES MELLITUS (metabolism); DIABETIC RETINOPATHY (metabolism); FEMALE; GLUCAGON (pharmacodynamics); GLUCOSE (pharmacodynamics); HUMAN; INSULIN (blood); MALE; MIDDLE AGE; PREDIABETIC STATE (metabolism); TOLBUTAMIDE (pharmacodynamics).

Kosenko NP

[EXOCRINE FUNCTION OF THE PANCREAS IN DIABETES MELLITUS] Kosenko NP *Vrach Delo* 42-5, Dec 74 (Rus)

ADOLESCENCE; ADULT; AGED; AMYLASE (blood); DIABETES MELLITUS (physiopathology, blood); ENGLISH ABSTRACT; FEMALE; HUMAN; LIPASE (blood); MALE; MIDDLE AGE; PANCREAS (secretion, physiopathology); TRYPSIN INHIBITORS (blood); TRYPSIN (blood).

Kostyo JL

THE SEARCH FOR THE ACTIVE CORE OF PITUITARY GROWTH HORMONE. Kostyo JL *Metabolism* 23: 885-99, Sep 74 (Eng) [60]

REVIEW; MONKEYS; ANIMAL EXPERIMENTS; HUMAN; SOMATOTROPIN (analysis, metabolism, physiology); CHEMISTRY; STRUCTURE-ACTIVITY RELATIONSHIP; DISULFIDES; BINDING SITES; CHYMOTRYPSIN (metabolism); MAMMALS; PEPsin (metabolism); PAIN (metabolism); FIBRINOLYSIS (metabolism); GEL FILTRATION; ALKYLATION; PEPTIDE FRAGMENTS; CYANOGEN BROMIDE; AMINO ACID SEQUENCE.

Koto A

CEREBRAL METABOLIC EFFECTS OF GLYCEROL INFUSION IN DIABETICS WITH STROKE. Meyer JS, Shimazu K, Ouchi T, Okamoto S, Koto A, Fukuchi Y, Ericsson AD *J Neurol Sci* 21: 1-22, Jan 74 (Eng)

Kotzaurek R

[URAEIC POLYNEUROPATHY AFTER RENAL TRANSPLANTATION (AUTHORS TRANSL)] Mamoli B, Kopsa H, Gerstenbrand F, Kotzaurek R, Pateisky K *J Neurol* 208: 63-9, 1974 (Ger)

Koutrouby RJ

THE ASSESSMENT OF INSULIN, GLUCOSE AND LIPIDS IN ISCHEMIC THROMBOTIC CEREBROVASCULAR DISEASE. Gertler MM, Leetma HE, Koutrouby RJ, Johnson ED *Stroke* 6: 77-84, Jan-Feb 75 (Eng)

Kovac T

[DISORDERS OF CARBOHYDRATE TOLERANCE IN PATIENTS WITH CHRONIC AZOTEMIA] Kovac T, Lepanovic L, Tepavcovic P *Med Arh* 28: 399-404, Jul-Aug 74 (Ser) CARBOHYDRATES (metabolism); CHRONIC DISEASE; DIABETES MELLITUS (metabolism); ENGLISH ABSTRACT; GLUCOSE TOLERANCE TEST; TOLBUTAMIDE (diagnostic use); UREMIA (metabolism, diagnosis).

Kovach AG

ADIPOSE TISSUE AND HEMORRHAGIC SHOCK. Rosell S, Sandor P, Kovach AG *Adv Exp Med Biol* 33: 323-36, 1972 (Eng)

INFLUENCE OF ENDOTOXIN ON ADIPOSE TISSUE METABOLISM. Spitzer JA, Kovach AG, Rosell S, Sandor P, Spitzer JJ, Storck R *Adv Exp Med Biol* 33: 337-44, 1972 (Eng)

METABOLIC CHANGES IN HEMORRHAGIC SHOCK. Kovach AG *Adv Exp Med Biol* 23: 275-8, Oct 71 (Eng)

DOGS; RATS; ANIMAL EXPERIMENTS; SHOCK; HEMORRHAGIC (metabolism, drug therapy); ADIPOSE TISSUE (metabolism); FATTY ACIDS, NONESTERIFIED (metabolism); OXYGEN CONSUMPTION; GLUCONEOGENESIS; ANOXIA (metabolism); PHENOXYBENZAMINE (therapeutic use); ADRENERGIC ALPHA RECEPTOR BLOCKADERS (therapeutic use); OXIDATION-REDUCTION.

Kowalski S

[ADRENAL RESERVE IN DIABETES INSIPIDUS TREATED WITH CHLORPROPAMIDE] Mazanek E, Zalewski J, Kowalski S, Panek E, Starzewska H *Endokrynol Pol* 26: 17-20, Jan-Feb 75 (Pol)

Kraegen EW

SERUM CHOLESTEROL AND SERUM TRIGLYCERIDE LEVELS IN AUSTRALIAN ADOLESCENT MALES. Hickie JB, Sutton J, Russo P, Ruys J, Kraegen EW *Med J Aust* 1: 825-8, 25 May 74 (Eng)

Kratochvilova H

[STUDY OF CATECHOLAMINE EXCRETION AFTER SINGLE ADMINISTRATION OF GLUCAGON IN DIABETICS (AUTHORS TRANSL)] Razu M, Balazovjech I, Kratochvilova H *Bratisl Lek Listy* 62: 701-10, Dec 74 (Slo)

Kremer H

[INTESTINE AND LIVER-PROTECTIVE THERAPY] Kremer H *Z Allgemeinmed* 50: 1252-5, 10 Oct 74 (Ger) DIABETES MELLITUS (drug therapy); DISACCHARIDES (therapeutic use); DYSPEPSIA (drug therapy); GASTROINTESTINAL MOTILITY (drug effects); HUMAN; LACTOBACILLUS; LACTULOSE (therapeutic use, pharmacodynamics); LIVER CIRRHOSIS (drug therapy); LIVER DISEASES (drug therapy).

Kretovich VL

[STUDY OF SUGARS AND CARBOHYDRATE METABOLISM ENZYMES IN RHIZOBIUM LUPINI IN SYMBIOSIS] Petrova AN, Chermenskaia IE, Kretovich VL *Dokl Akad Nauk SSSR* 217: 479-80, 11 Jul 74 (Rus)

Kreze A

[DIABETICS FROM A MEDICAL INSTITUTION AND A REGIONAL COLLECTIVE FROM THE VIEW POINT OF PATIENT PARTICIPATION IN THE THERAPEUTIC REGIMEN] Dub O, Brozek I, Nykodym P, Kreze A *Cas Lek Cesk* 113: 1389-93, 7 Nov 74 (Cze)

Kroll J

[STUDIES ON THE GLYCERIDE STRUCTURE OF FATS. 6. STUDIES WITH SYNTHETIC TRIGLYCERIDES ON THE FATTY ACIDS SPECIFICITY OF LIPASE OF GEOTRICHUM CANDIDUM] Franke C, Kroll J, Petzold R *Nahrung* 17: 171-84, 1973 (Ger)

Kruck F

[HYPEROSMOLAR COMA] Stumpe KO, Kruck F *Med Klin* 69: 2051-62, 13 Dec 74 (Ger) [41]

Krulich L

THE ADENOPHYOPHYSIAL RESPONSE TO STRESS AND ITS HYPOTHALAMIC CONTROL. McCann SM, Krulich L, Illner P, Quijada M, Ajika K, Fawcett CP *Adv Exp Med Biol* 33: 157-64, 1972 (Eng)

Krupchitskaia KI

[BLOOD CONTENT OF IMMUNOREACTIVE INSULIN IN CHILDREN AND ADOLESCENTS WITH OBESITY] Livergant IuE, Dudenko NV, Krupchitskaia KI *Vopr Okhr Materin Det* 19: 51-4, Oct 74 (Rus)

Krzywanek H

[THE EFFECT OF INTERMITTENT TRAINING LOADS ON BLOOD CHARACTERISTICS IN TROTTERS (AUTHORS TRANSL)] Krzywanek H, Schulze A, Wittke G *Eur J Appl Physiol* 32: 329-40, 1974 (Ger)

ENGLISH ABSTRACT; ANIMAL EXPERIMENTS; MALE; FEMALE; HORSES (physiology); EXERTION; JUGULAR VEIN; HEMATOCRIT; HEMOGLOBIN (analysis); OXYGEN (blood); PARTIAL PRESSURE; HYDROGEN-ION CONCENTRATION; BICARBONATES (blood); LACTATES (blood); BLOOD SUGAR (analysis); FATTY ACIDS, NONESTERIFIED (blood); GLYCERIN (blood); BLOOD.

Kubecova F

[AUSTRALIA ANTIGEN (HBAG) IN MEDICAL PERSONEL AND DIABETIC PATIENTS (AUTHORS TRANSL)] Meluzin F, Kubecova F, Spicka J, Slavik V *Cas Lek Cesk* 113: 1387-9, 7 Nov 74 (Cze)

Kubica A

INTERRELATIONSHIP BETWEEN PHOSPHOENOLPYRUVATE AND CITRULINE SYNTHESIS IN GUINEA PIG LIVER MITOCHONDRIA. Bryla J, Zaleski J, Kubica A *Acta Biochim Pol* 21: 199-211, 1974 (Eng)

Kubisz P

[CONCEPT OF PLATELET RELEASE REACTION. I. INDUCTORS, INHIBITORS AND ENERGETIC BALANCE. (COMPREHENSIVE REVIEW)] Kubisz P *Vnitř Lek* 20: 782-90, Sep 74 (Slo)

ENGLISH ABSTRACT; HUMAN; ENERGY METABOLISM; BLOOD PLATELETS (metabolism, immunology); ANTIGEN-ANTIBODY COMPLEX; EPINEPHRINE (blood); ADENOSINE DIPHOSPHATE (metabolism); SEROTONIN (blood); TRYPSIN (blood); COLLAGEN (blood); PHAGOCYTOSIS; BLOOD COAGULATION FACTORS (physiology); ADENOSINE TRIPHOSPHATE (blood); BLOOD SUGAR; HYPOXANTHINES (blood).

Kudo S

FREEZE-FRACTURE IMAGES OF CAPILLARIES IN NORMAL AND NEOPLASTIC PITUITARIES. Tani E, Ikeda K, Kudo S, Yamagata S, Makita Y *Acta Neuropathol (Berl)* 28: 105-16, 1974 (Eng)

Kuhl C

BLOOD GLUCOSE MEASUREMENT WITH DEXTROSTIX AND NEW REFLECTANCE METER. Schersten B, Kuhl C, Hollender A, Ekman R *Br Med J* 3: 384-7, 10 Aug 74 (Eng)

Kujalova V

TO THE ADIPOKINETIC EFFECT OF SEROTONIN IN VITRO. Rath R, Kujalova V *Eur Orthod Soc Rep Congr* 63: 254-8, May 74 (Eng)

Kumar V

DEGREE OF ACETONAEMIA FOLLOWING EPINEPHRINE INFUSION TO DETERMINE BIOCHEMICAL CHARACTERIZATION OF DIABETES MELLITUS. Malik TK, Kumar V, Ahuja MM *Indian J Med Res* 62: 80-5, Jan 74 (Eng)

Kumar VR

PANCREATIC ALPHA CELL FUNCTION IN RELATION TO CHOLESTEROL METABOL-

Kumari S

ISM IN BANDICOTA BENGALENSIS. Suryawanshi SA, Sontakke KK, Kumar VR *Endocrinol Pol* 26: 21-3, Jan-Feb 75 (Eng)

Kumari S

HYPERGLYCEMIA IN THE NEWBORN. Kumari S, Sagreya K, Bhargava SK *Indian Pediatr* 11: 581-3, Aug 74 (Eng)

ESCHERICHIA COLI INFECTIONS (complications); HUMAN; HYPERGLYCEMIA (etiology); INFANT, NEWBORN; INFANT, NEWBORN, DISEASES (etiology); KLEBSIELLA INFECTIONS (complications); MALE; MENINGITIS (complications); SEPTICEMIA (complications).

Kumeda H

ROLE OF BRAIN NORADRENALINE IN THE REGULATION OF PITUITARY-ADRENOCORTICAL FUNCTIONS. Kumeda H, Uchimura H, Kawabata T, Maeda Y, Okamoto O *J Endocrinol* 62: 161-2, Jul 74 (Eng)

RATS; ANIMAL EXPERIMENTS; MALE; NOREPINEPHRINE (metabolism, antagonists & inhibitors); PITUITARY GLAND (metabolism); ADRENAL GLANDS (metabolism); HYDROXYDOPAMINE (pharmacodynamics, administration & dosage); BRAIN CHEMISTRY; INJECTIONS; CEREBRAL VENTRICLES; PITUITARY-ADRENAL SYSTEM (drug effects); STRESS; HYPOTHALAMUS (metabolism); BRAIN STEM (metabolism); DEXAMETHASONE (pharmacodynamics); CORTICOSTERONE (metabolism, blood).

Kummerow FA

CURRENT STUDIES ON RELATION OF FAT TO HEALTH. Kummerow FA *J Am Oil Chem Soc* 51: 255-9, Jun 74 (Eng)

RATS; ANIMAL EXPERIMENTS; HUMAN; DIETARY FATS; HEALTH; FATTY ACIDS, UNSATURATED; FOOD-PROCESSING INDUSTRY; HEART DISEASES (prevention & control); CHOLESTEROL (blood).

Kunz HJ

IMMOBILIZED GLUCOSE OXIDASE USED TO MEASURE GLUCOSE IN SERUM. Kunz HJ, Stastny M *Clin Chem* 20: 1018-22, Aug 74 (Eng)

GLUCOSE OXIDASE; BLOOD SUGAR (analysis); CHROMATOGRAPHY; GLASS; BUFFERS; EQUIPMENT AND SUPPLIES; KINETICS; TIME FACTORS; TEMPERATURE; OXYGEN; PARTIAL PRESSURE; ALBUMINS; OXALATES; FLUORIDES; COMPUTERS; METHODS.

Kuo PT

THE EFFECTS OF HIGH CARBOHYDRATE DIETS ON HYPERINSULINEMIC MONKEYS (MACACA MULATTA). Hamilton CL, Kuo PT, Feng L *J Med Primatol* 3: 276-84, 1974 (Eng)

Kuo SC

THE ACTION OF ANTIBIOTICS ON ENZYME SECRETION IN YEASTS: STUDIES WITH CYTOCHALASIN A. Kuo SC, Lampen JO *Ann NY Acad Sci* 235: 137-48, 10 May 74 (Eng)

ANTIBIOTICS (pharmacodynamics); YEASTS (enzymology); CYTOCHALASIN (pharmacodynamics); SUCRASE (biosynthesis, metabolism); SACCHAROMYCES (growth & development, drug effects, metabolism); TIME FACTORS; HEXOSES (metabolism); PROTOPLASTS (enzymology); GLUCOSE (metabolism, antagonists & inhibitors); GLUCOSAMINE (metabolism); SORBOSE (metabolism); CARBON RADIOISOTOPES; ADENOSINE TRIPHOSPHATE (metabolism); POTASSIUM (metabolism); SPECTROPHOTOMETRY, ULTRAVIOLET; AMMONIA (metabolism); AMINO BUTYRIC ACID (metabolism); AMINO ACIDS (metabolism); URIDINE (metabolism).

Diabetes Literature—Author Index

Kupper LL

MEDICATION USE AND MISUSE: PHYSICIAN-PATIENT DISCREPANCIES. Hulka BS, Kupper LL, Cassel JC, Efrid RL *J Chronic Dis* 28: 7-21, Jan 75 (Eng)

Kuriyama K

ACTIVATION OF HEXOSE MONOPHOSPHATE PATHWAY IN BRAIN BY ELECTRICAL STIMULATION IN VITRO. Kimura H, Naito K, Nakagawa K, Kuriyama K *J Neurochem* 23: 79-84, Jul 74 (Eng)

Kuro M

[CARBOHYDRATE INFUSION 1: HYPERURICAEMIA CAUSED BY CARBOHYDRATE INFUSION] Yoshikawa K, Kuro M, Oda T, Minami T *Jap J Anesthesiol* 23: 106-14, Feb 74 (Jap)

Kurokawa N

CHANGES OF SERUM GROWTH HORMONE IN PSYCHOSOMATIC DISORDERS. Suematsu H, Kurokawa N, Tamai H, Ikemi Y *Psychother Psychosom* 24: 161-4, 1974 (Eng)

Kuts LG

ZINC AND INSULIN CONTENT IN PANCREATIC ISLETS OF RATS AFTER ADMINISTRATION OF HYPOGLYCEMIC SULFONAMIDES. Lazaris YA, Kuts LG, Bavelskii ZE *Bull Exp Biol Med* 77: 647-9, Dec 74 (Eng)

Kuzuya N

INSULIN SECRETORY RESPONSE OF DIABETICS DURING THE PERIOD OF IMPROVEMENT OF GLUCOSE TOLERANCE TO NORMAL RANGE. Kosaka K, Hagura R, Kuzuya T, Kuzuya N *Diabetologia* 10: 775-82, Dec 74 (Eng)

Kuzuya T

INSULIN SECRETORY RESPONSE OF DIABETICS DURING THE PERIOD OF IMPROVEMENT OF GLUCOSE TOLERANCE TO NORMAL RANGE. Kosaka K, Hagura R, Kuzuya T, Kuzuya N *Diabetologia* 10: 775-82, Dec 74 (Eng)

Labhart A

[CLINICAL DEMONSTRATIONS] Labhart A *Schweiz Med Wochenschr* 104: 1830-41, 14 Dec 74 (Ger)

ACUTE DISEASE; ADRENAL GLAND NEOPLASMS (complications); ADULT; AGED; CUSHINGS SYNDROME (complications); ENGLISH ABSTRACT; FEMALE; HUMAN; HYPERTHYROIDISM (therapy); HYPOGLYCEMIA (complications, etiology); ISLET CELL TUMOR (complications, drug therapy); MALE; MIDDLE AGE; PANCREATIC NEOPLASMS (complications, drug therapy); PARATHYROID DISEASES (surgery); PERITONEAL DIALYSIS; PHEOCHROMOCYTOMA (complications); STREPTOZOTOCIN (therapeutic use); THYROID CRISIS (therapy); ZOLLINGER-ELLISON SYNDROME (complications).

Labrie F

ELECTROPHORETIC ANALYSIS OF POLYPEPTIDES OF PLASMA MEMBRANES FROM BOVINE PITUITARY GLAND. Lemay A, Labrie F *Can J Biochem* 52: 620-30, Jul 74 (Eng)

Lambert AE

ENZYME-INDUCED MODIFICATIONS OF BETA CELL FUNCTION. I. EFFECT OF PRONASE ON INSULIN SECRETION. Lambert AE, Henquin JC, Orci L, Renold AE *Eur J Clin Invest* 4: 459-68, 5 Dec 74 (Eng)

ANIMAL EXPERIMENTS; CELL MEMBRANE (enzymology); GLUCOSE (pharmacodynamics); GUINEA PIGS (immunology); INSULIN

(secretion, immunology); IODINE RADIOISOTOPES; ISLANDS OF LANGERHANS (enzymology, metabolism, drug effects); LEUCINE (pharmacodynamics); MALE; PERFUSION; PRONASE (pharmacodynamics); RABBITS (immunology); RATS; SWINE (immunology); TOLBUTAMIDE (pharmacodynamics).

CATIONIC ENVIRONMENT AND DYNAMICS OF INSULIN SECRETION. III. EFFECT OF THE ABSENCE OF POTASSIUM. Henquin JC, Lambert AE *Diabetologia* 10: 789-94, Dec 74 (Eng)

Lampen JO

THE ACTION OF ANTIBIOTICS ON ENZYME SECRETION IN YEASTS: STUDIES WITH CYTOCHALASIN A. Kuo SC, Lampen JO *Ann NY Acad Sci* 235: 137-48, 10 May 74 (Eng)

Landes C

EFFECT OF INSULIN UPON RENAL AMINO ACID TRANSPORT IN LAMBS. Scharer E, Landes C, Scholl H *Experientia* 30: 1416-8, 15 Dec 74 (Eng)

Lane AE

FUNCTIONAL DIFFERENTIATION OF HUMAN JEJUNUM AND ILEUM: A COMPARISON OF THE HANDLING OF GLUCOSE, PEPTIDES, AND AMINO ACIDS. Silk DB, Webb JP, Lane AE, Clark ML, Dawson AM *Gut* 15: 444-9, Jun 74 (Eng)

Lane AG

A GENERALIZED MATHEMATICAL MODEL FOR THE GROWTH KINETICS OF SACCHAROMYCES CEREVISIAE WITH EXPERIMENTAL DETERMINATION OF PARAMETERS. Peringer P, Blachere H, Corrieu G, Lane AG *Biotechnol Bioeng* 16: 431-54, Apr 74 (Eng)

LaNoue KF

EVIDENCE FOR ELECTROGENIC ASPARTATE TRANSPORT IN RAT LIVER MITOCHONDRIA. LaNoue KF, Meijer AJ, Brouwer A *Arch Biochem Biophys* 161: 544-50, 2 Apr 74 (Eng)

ANIMAL EXPERIMENTS; MALE; ASPARTIC ACID (metabolism); MITOCHONDRIA, LIVER (metabolism, drug effects); BIOLOGICAL TRANSPORT; GLUTAMATES (metabolism); ETHYLMALIMIDE (pharmacodynamics); KETOGLUTARIC ACID (metabolism); MALATES (metabolism); SPECTROMETRY, FLUORESCENCE; SPECTROPHOTOMETRY; HYDROGEN-ION CONCENTRATION; KINETICS; OXALOACETATES (metabolism); SERINE (pharmacodynamics); TIME FACTORS.

Lapetina EG

EFFECTS OF ACETYLCHOLINE ON INCORPORATION OF (14C)GLUCOSE INTO PHOSPHATIDYLINOSITOL AND ON PHOSPHATIDYLINOSITOL BREAKDOWN IN SUBCELLULAR FRACTIONS FROM CEREBRAL CORTEX. Lapetina EG, Michell RH *J Neurochem* 23: 283-7, Jul 74 (Eng)

GUINEA PIGS; RATS; ANIMAL EXPERIMENTS; ACETYLCHOLINE (pharmacodynamics); GLUCOSE (metabolism); PHOSPHOINOSITIDES (metabolism); CEREBRAL CORTEX (metabolism, cytology, drug effects); SUBCELLULAR FRACTIONS (metabolism); SPECIES SPECIFICITY; LECITHINS (biosynthesis); CARBON RADIOISOTOPES; CEPHALINS (biosynthesis); MITOCHONDRIA (metabolism, drug effects); CHROMATOGRAPHY, THIN LAYER; CHROMATOGRAPHY, PAPER; MEMBRANES (metabolism, drug effects); PHOSPHORUS RADIOISOTOPES; CYTOSOL (drug effects, metabolism); SYNAPTOSOMES (metabolism, drug effects).

LaPidus JB

THE STEREORELECTIVE INHIBITION OF LIPOLYSIS BY NONPHENOLIC PHENETHYLAMINES. Fauley JJ, Feller DR, LaPidus JB *Eur J Pharmacol* 27: 136-40, Jun 74 (Eng)

Laron Z

DIABETIC RETINOPATHY IN AN ADOLESCENT WITH PRADER-LABHART-WILLI SYNDROME. Savir A, Dickerman Z, Karp M, Laron Z *Arch Dis Child* 49: 963-4, Dec 74 (Eng)

Laszlo M

[BIOCHEMICAL DIFFERENCES BETWEEN AN ELASTIC ARTERY AND A MUSCULAR ARTERY IN CATTLE] Laszlo M, Cappelli-Gotz B, Conti G *Biochimie* 56: 459-64, 1974 (Fre)

ENGLISH ABSTRACT: CATTLE; ANIMAL EXPERIMENTS; COMPARATIVE STUDY; AORTA, THORACIC (metabolism); ARTERIES (metabolism); ELASTIC TISSUE (metabolism); MUSCLE, SMOOTH (metabolism); CAROTID ARTERIES (metabolism); GLUCOSE (metabolism); GLYCOLYSIS; OXIDATION-REDUCTION; OXIDATIVE PHOSPHORYLATION; LACTATES.

Launay A

[CHANGES INDUCED BY THEOPHYLLINE IN VITRO ON THE GLYCOGEN CONTENT, CARBOHYDRATE METABOLISM AND FINALLY ON THE PHAGOCYTIC AND BACTERICIDAL ACTIVITY OF POLYNUCLEAR LEUKOCYTES] Henon M, Launay A, Delaunay A *C R Acad Sci [D] (Paris)* 278: 521-4, 21 Jan 74 (Fre)

Lauquin G

AN APPRAISAL OF THE FUNCTIONAL SIGNIFICANCE OF THE INHIBITORY EFFECT OF LONG CHAIN ACYL-COAS ON MITOCHONDRIAL TRANSPORTS. Morel F, Lauquin G, Lunardi J, Duszynski J, Vignais PV *FEBS Lett* 39: 133-8, 15 Feb 74 (Eng)

Laver M

ORAL DIAZOXIDE IN UNCONTROLLED MALIGNANT HYPERTENSION. Fang P, MacDonald I, Laver M, Hua A, Kincaid-Smith P *Med J Aust* 2: 621-4, 26 Oct 74 (Eng)

Lazaris IaA

[THE ROLE OF ZINC BLOCKADE IN THE PATHOGENESIS OF DITHIZONE-INDUCED DIABETES] Lazaris IaA, Meiramov GG *Probl Endokrinol (Mosk)* 20: 90-4, Sep-Oct 74 (Rus)

ANIMAL EXPERIMENTS; BLOOD SUGAR; DIABETES MELLITUS (chemically induced, metabolism); DITHIZONE; DRUG INTERACTIONS; ENGLISH ABSTRACT; ISLANDS OF LANGERHANS (metabolism); RABBITS; TIME FACTORS; ZINC (metabolism).

Lazaris YA

ZINC AND INSULIN CONTENT IN PANCREATIC ISLETS OF RATS AFTER ADMINISTRATION OF HYPOGLYCEMIC SULFONAMIDES. Lazaris YA, Kuts LG, Bavelskii ZE *Bull Exp Biol Med* 77: 647-9, Dec 74 (Eng)

ANIMAL EXPERIMENTS; ANTIDIABETICS (pharmacodynamics); BLOOD SUGAR (analysis); CHLORPROPAMIDE (pharmacodynamics); GLIBENCLAMIDE (pharmacodynamics); HISTOCYTOCHEMISTRY; INSULIN (analysis); ISLANDS OF LANGERHANS (analysis, drug effects); MALE; RATS; TOLBUTAMIDE (pharmacodynamics); ZINC (analysis).

Lazarus NR

MODEL FOR EXTRUSION OF INSULIN BETA GRANULES. Lazarus NR, Davis B *Lancet* 1: 143-4, 18 Jan 75 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism, physiology); ADENOSINE TRIPHOSPHATASE (metabolism); ADENOSINE TRIPHOSPHATE (metabolism); GLUCOSE (pharmacodynamics); GLUCOSEPHOSPHATES (metabolism); HUMAN; IN VITRO; INSULIN (secretion); ISLANDS OF LANGERHANS (cytology, secretion); MODELS, BIOLOGICAL; POTASSIUM (metabolism); SODIUM (metabolism).

Lazdunski M

INTESTINAL ALKALINE PHOSPHATASE. PHYSICAL PROPERTIES AND QUATERNARY STRUCTURE. Fosset M, Chappellet-Tordo D, Lazdunski M *Biochemistry* 13: 1783-8, 23 Apr 74 (Eng)

Le Blanc M

[ULTRASTRUCTURAL STUDY OF PHERIPHERAL NERVE IN 16 DIABETICS WITHOUT NEUROPATHY. COMPARISONS WITH 16 DIABETIC NEUROPATHIES AND 16 NON-DIABETIC NEUROPATHIES (AUTHORS TRANSL)] Vital C, Le Blanc M, Vallat JM, Cocquet M, Vallat M, Roques JC *Acta Neuropathol (Berl)* 30: 63-72, 1974 (Fre)

Le Douarin G

INFLUENCE OF INSULIN ON SENSITIVITY TO TETRODOTOXIN OF ISOLATED CHICK EMBRYO HEART CELLS IN CULTURE. Le Douarin G, Renaud JF, Renaud D, Coraboeuf E *J Mol Cell Cardiol* 6: 523-9, Dec 74 (Eng)

ANIMAL EXPERIMENTS; CELL MEMBRANE (drug effects); CELLS, CULTURED; CHICK EMBRYO; HEART (drug effects, embryology); INSULIN (pharmacodynamics, administration & dosage); MAGNESIUM (pharmacodynamics); MYOCARDIUM (cytology); ORGAN CULTURE; TETRODOTOXIN (pharmacodynamics, administration & dosage).

Lebenthal E

RECURRENT ACUTE PANCREATITIS IN PATIENTS WITH CYSTIC FIBROSIS WITH NORMAL PANCREATIC ENZYMES. Shwachman H, Lebenthal E, Khaw KT *Pediatrics* 55: 86-95, Jan 75 (Eng)

Lebon F

[DIABETIC MICROANGIOPATHY: COMPARISON BETWEEN MAN AND ANIMAL] Duhalault J, Lebon F, Boulanger M, Regnault F, Kern F *Biorheology* 11: 167-78, Jun 74 (Fre)

Lecoq PJ

[TOTAL VITRECTOMY BY ANTERIOR ROUTE] Haut J, Limon S, Lecoq PJ *Bull Mem Soc Fr Ophthalmol* 86: 260-7, 1973 (Fre)

Lee AG

COMPLETE CONTROL OF THE LIPID ENVIRONMENT OF MEMBRANE-BOUND PROTEINS: APPLICATION TO A CALCIUM TRANSPORT SYSTEM. Warren GB, Toon PA, Birdsall NJ, Lee AG, Metcalfe JC *FEBS Lett* 41: 122-4, 15 Apr 74 (Eng)

Lee PA

SHORT STATURE AS THE ONLY CLINICAL SIGN OF CUSHINGS SYNDROME. Lee PA, Weldon VV, Migeon CJ *J Pediatr* 86: 89-91, Jan 75 (Eng)

ADOLESCENCE; BODY HEIGHT; CORTICOTROPIN (diagnostic use); CUSHINGS SYNDROME (diagnosis, complications, metabolism); DEXAMETHASONE (diagnostic use); DIAGNOSIS, DIFFERENTIAL; GLUCOSE TOLERANCE TEST; GROWTH DISORDERS (etiology); HUMAN; HYDROCORTISONE (blood, biosynthesis); MALE; PYRONES (diagnostic use); STIMULATION, CHEMICAL; 17-HYDROXYCORTICOSTEROIDS (urine); 17-KETOSTEROIDS (urine).

Leetma HE

THE ASSESSMENT OF INSULIN, GLUCOSE AND LIPIDS IN ISCHEMIC THROMBOTIC CEREBROVASCULAR DISEASE. Gertler MM, Leetma HE, Koutrouby RJ, Johnson ED *Stroke* 6: 77-84, Jan-Feb 75 (Eng)

Le Gall JR

[HYPERKALEMIA] Le Gall JR *Nouv Presse Med* 3: 1391-2, 25 May 74 (Fre)

HUMAN; POTASSIUM (metabolism); BRADYCARDIA (etiology); HEART ARREST (etiology); ELECTROCARDIOGRAPHY; ADRENAL GLAND DISEASES (complications); KIDNEY FAILURE, CHRONIC (complications); KIDNEY FAILURE, ACUTE (complications); HYPERKALEMIA (etiology, therapy); ACIDOSIS (complications); CALCIUM (therapeutic use); GLUCOSE (therapeutic use); BICARBONATES (therapeutic use); ION EXCHANGE RESINS (therapeutic use); HEMODIALYSIS.

Lehman D

CHEMICAL AND CLINICAL EVALUATION OF THE CONTINUOUS-FLOW ANALYZER SMAC. Schwartz MK, Bethune VG, Fleisher M, Pennacchia G, Menendez-Botet CJ, Lehman D *Clin Chem* 20: 1062-70, Aug 74 (Eng)

Lemay A

ELECTROPHORETIC ANALYSIS OF POLYPEPTIDES OF PLASMA MEMBRANES FROM BOVINE PITUITARY GLAND. Lemay A, Labrie F *Can J Biochem* 52: 620-30, Jul 74 (Eng)

CATTLE; COMPARATIVE STUDY; PEPTIDES (analysis); PROTEINS (analysis); PITUITARY GLAND (analysis, cytology); CELL MEMBRANE (analysis); ELECTROPHORESIS, POLYACRYLAMIDE GEL; SODIUM DODECYL SULFATE; HYDROGEN-ION CONCENTRATION; MOLECULAR WEIGHT; GLYCOPROTEINS (analysis); ELECTROPHORESIS, DISC; SURFACE-ACTIVE AGENTS; UREA; DENSITOMETRY; SOLUBILITY; CENTRIFUGATION, DENSITY GRADIENT; CELL FRACTIONATION; MICROSCOPY, ELECTRON; ULTRACENTRIFUGATION.

Lenzen S

THE IMMEDIATE INSULIN SECRETORY RESPONSE OF THE ISOLATED PERFUSED RAT PANCREAS TO TOLBUTAMIDE AND GLUCOSE. Lenzen S *FEBS Lett* 49: 407-8, 1 Jan 75 (Eng)

ANIMAL EXPERIMENTS; FASTING; GLUCOSE (pharmacodynamics); IN VITRO; INSULIN (secretion, immunology); MALE; PANCREAS (secretion, drug effects); PERFUSION; RATS; TIME FACTORS; TOLBUTAMIDE (pharmacodynamics).

Leonard RF

PLASMA LIPID VALUES IN CHILDHOOD OBESITY. Court JM, Dunlop M, Leonard RF *Gastrointest Endosc* 21: 10-4, Aug 74 (Eng)

Leppanen O

THE EFFECT OF PRACTOLOL ON CIRCULATORY RESPONSE AFTER SYMPATHETIC STIMULATION AND ON PLASMA GROWTH HORMONE AND INSULIN LEVELS. Syyvalhti E, Iisalo E, Leppanen O *Ann Clin Res* 6: 258-65, Oct 74 (Eng)

Lepsanovic L

[CURRENT CONCEPTS ON THE HYPOTHALAMO-HYPOPHYSEAL AXIS] Lepsanovic L *Med Pregl* 26: 457-66, 1973 (Ser)

ENGLISH ABSTRACT: HUMAN; HYPOTHALAMO-HYPOPHYSEAL SYSTEM (physiology); CORTICOTROPIN (secretion); SOMATOTROPIN (secretion); GONADOTROPINS, PITUITARY (secretion).

Diabetes Literature—Author Index

Lesobre B

[DISORDERS OF CARBOHYDRATE TOLERANCE IN PATIENTS WITH CHRONIC AZOTEMIA] Kovac T, Lepšanovic L, Tepavčević P *Med Arh* 28: 399-404, Jul-Aug 74 (Ser)

Lesore B

[PERIODIC HOSPITALIZATION OF PATIENTS WITH VASCULAR AND/OR METABOLIC HAZARDS] Lesore B, Cathelineau G *Nouv Presse Med* 3: 2510-1, 9-23 Nov 74 (Fre)

DIABETES MELLITUS; FRANCE; HOSPITAL NURSING SERVICE; HOSPITALIZATION; HUMAN; METABOLIC DISEASES (prevention & control); VASCULAR DISEASES (prevention & control).

Leung BS

PROLACTIN STIMULATION OF ESTROGEN RECEPTOR IN VITRO IN 7,12 DIMETHYLBENZ(A)ANTHRACENE-INDUCED MAMMARY TUMOR, Sasaki GH, Leung BS *Res Commun Chem Pathol Pharmacol* 8: 409-12, Jun 74 (Eng)

Leung JS

LETTER: HYPOGLYCAEMIA ASSOCIATED WITH INTRATHORACIC MESOTHELIOMA. Leung JS, Tang ST *Br Med J* 4: 657, 14 Dec 74 (Eng)

DIAGNOSIS, DIFFERENTIAL; FEMALE; HUMAN; HYPOGLYCEMIA (complications); MESOTHELIOMA (complications, diagnosis); MIDDLE AGE; THORACIC NEOPLASMS (complications, diagnosis).

Levine LS

LETTER: GROWTH WITH ABSENT GROWTH HORMONE BY RADIOIMMUNOASSAY. Saenger P, Levine LS, Wiedemann E, Schwartz E, *New MI J Pediatr* 85: 137-8, Jul 74 (Eng)

Levy J

THE STIMULUS-SECRETION COUPLING OF GLUCOSE-INDUCED INSULIN RELEASE-XVII. EFFECTS OF SULFONYLUREAS AND DIAZOXIDE ON INSULAR BIOSYNTHETIC ACTIVITY. Levy J, Malaisse WJ *Biochem Pharmacol* 24: 235-9, 15 Jan 75 (Eng)

ANIMAL EXPERIMENTS; CYCLOHEXANES (analogs & derivatives, pharmacodynamics); CYCLOPENTANES (analogs & derivatives, pharmacodynamics); DIAZOXIDE (pharmacodynamics); GLUCOSE (pharmacodynamics, metabolism); HORMONES (biosynthesis); IN VITRO; INSULIN (biosynthesis); ISLANDS OF LANGERHANS (metabolism); LEUCINE (metabolism); OXIDATION-REDUCTION; PEPTIDES (biosynthesis); PROINSULIN (biosynthesis); PYRAZINES (pharmacodynamics); PYRROLES (pharmacodynamics); RATS; SULFONYLUREA COMPOUNDS (pharmacodynamics); TOLBUTAMIDE (pharmacodynamics).

Li CH

ACTION OF PLASMIN ON OXIDIZED BOVINE GROWTH HORMONE. Graf L, Li CH *Arch Biochem Biophys* 161: 691-5, 2 Apr 74 (Eng)

HUMAN PITUITARY GROWTH HORMONE: SOLUBILITY IN AMMONIUM SULFATE SOLUTIONS. Tarli P, Li CH *Arch Biochem Biophys* 161: 696-7, 2 Apr 74 (Eng)

Liakh LA

[RELATION BETWEEN BLOOD GLUCOSE LEVELS AND BODY TEMPERATURE DURING COLD ADAPTATION] Liakh LA *Fiziol Zh SSSR* 60: 88-93, Jan 74 (Rus)

RATS; ANIMAL EXPERIMENTS; FEMALE; BLOOD SUGAR (metabolism); BODY TEMPERATURE REGULATION; COLD; ACCLIMATIZATION.

Liaudet J

[CHRONIC MYELOID LEUKEMIA IN A 35 YEAR OLD PETROLEUM CHEMIST, HAN-

DLING BENZENE SINCE THE AGE OF 18 YEARS] Liaudet J, Combaz M *Eur J Toxicol* 6: 309-13, Nov-Dec 73 (Fre)

ENGLISH ABSTRACT; ADULT; HUMAN; MALE; LEUKEMIA, MYELOCYTIC (chemically induced, drug therapy); OCCUPATIONAL DISEASES (chemically induced); BENZENE (poisoning); CHEMICAL INDUSTRY; LEUKOCYTOSIS (chemically induced); ENVIRONMENTAL EXPOSURE; BLOOD CELL COUNT; BLOOD SUGAR; UREA (blood); HEMOLYSIS; LEUKOCYTE COUNT; ALKALINE PHOSPHATASE (blood); LEUKOCYTES (enzymology); FURUNCULOSIS (chemically induced).

Lichstein HC

BIOTIN UPTAKE BY COLD-SHOCKED CELLS, SPHEROPLASTS, AND RERESSED CELLS OF SACCHAROMYCES CEREVISIAE: LACK OF FEEDBACK CONTROL. Cimanec JF, Lichstein HC *J Bacteriol* 119: 718-25, Sep 74 (Eng)

Liddle PF

THE PREPARATION AND PROPERTIES OF PYRUVATE KINASE FROM YEAST. Fell DA, Liddle PF, Peacocke AR, Dwek RA *Biochem J* 139: 665-75, Jun 74 (Eng)

Liebschutz DC

METABOLIC RESPONSES TO HYPERPYREXIA. Liebschutz DC, Boutros AR, Printen KJ *Surg Gynecol Obstet* 139: 403-5, Sep 74 (Eng)

ADULT; ADOLESCENCE; MIDDLE AGE; AGED; HUMAN; FEVER (metabolism, blood); FATTY ACIDS, NONESTERIFIED (blood); OXYGEN (blood); ARTERIES; BLOOD COAGULATION; BACTERIAL INFECTIONS (metabolism, blood); BLOOD PLATELETS; BLOOD CELL COUNT; BLOOD COAGULATION TESTS; HYDROGEN-ION CONCENTRATION; BLOOD SUGAR (analysis).

Limon S

[TOTAL VITRECTOMY BY ANTERIOR ROUTE] Haut J, Limon S, Lecoq PJ *Bull Mem Soc Fr Ophthalmol* 86: 260-7, 1973 (Fre)

Lin JH

MICROCIRCULATION IN DIABETES MELLITUS: A STUDY OF GINGIVAL BIOPSIES. Lin JH, Duffy JL, Roginsky MS *Hum Pathol* 6: 77-96, Jan 75 (Eng)

ADULT; AGED; BASEMENT MEMBRANE (pathology, ultrastructure); BIOPSY; CAPILLARIES (pathology); DIABETES MELLITUS, JUVENILE (pathology); DIABETIC ANGIOPATHIES (pathology); FEMALE; GINGIVA (blood supply, pathology); HUMAN; MALE; MICROCIRCULATION (pathology, ultrastructure); MICROSCOPY, ELECTRON; MICROSCOPY, PHASE CONTRAST; MIDDLE AGE; OBESITY (pathology); PREDIABETIC STATE (pathology).

Lindblad BS

PROTEIN AND AMINO ACID METABOLISM AND REQUIREMENTS IN THE NEONATAL PERIOD. Lindblad BS *Acta Anaesthesiol Scand [Suppl]* 102-6, 1974 (Eng)

AMINO ACIDS, ESSENTIAL (metabolism); ANIMAL EXPERIMENTS; ANIMALS, NEWBORN; BIRTH WEIGHT; BRAIN (metabolism); DNA (biosynthesis); ENZYME INDUCTION; FETUS (physiology); GESTATIONAL AGE; HUMAN; INFANT NUTRITION; INFANT, NEWBORN; INFANT, PREMATURE; LIVER (metabolism); MALE; MATERNAL-FETAL EXCHANGE; NUTRITION; NUTRITIONAL REQUIREMENTS; PREGNANCY IN DIABETES; PREGNANCY COMPLICATIONS; PREGNANCY; PROTEINS (metabolism, biosynthesis); RATS; RNA (biosynthesis); SPECIES SPECIFICITY; SWINE.

Lindenmeyer D

[BIOLOGICAL AND RADIOIMMUNOLOGICAL STUDIES ON HUMAN PROLACTIN, HUMAN GROWTH HORMONE, AND HUMAN PLACENTAL LACTOGEN] Lindenmeyer D, Hornung D, Theile L *Eur Orthod Soc Rep Congr* 63: 217-24, May 74 (Eng)

SPECIAL LIST DENTAL; ENGLISH ABSTRACT; RATS; ANIMAL EXPERIMENTS; HUMAN; FEMALE; PROLACTIN (analysis); SOMATOTROPIN (analysis); PLACENTAL LACTOGEN (analysis); RADIOIMMUNOASSAY; PIGEONS; TIBIA; ANTIBODIES; CROSS REACTIONS; IODINE RADIOISOTOPES; METHODS.

Linke RP

BETA-PLEATED SHEET FIBRILS. A COMPARISON OF NATIVE AMYLOID WITH SYNTHETIC PROTEIN FIBRILS. Glenner GG, Eanes ED, Bladen HA, Linke RP, Termine JD *J Histochem Cytochem* 22: 1141-58, Dec 74 (Eng)

Linnett P

EM49: A NEW POLYPEPTIDE ANTIBIOTIC ACTIVE AGAINST CELL MEMBRANES. Meyers E, Parker WL, Brown WE, Linnett P, Strominger JL *Ann NY Acad Sci* 235: 493-501, 10 May 74 (Eng)

Lis M

LIPOTROPIC AND ADRENOCORTICOTROPIC HORMONES. BIOLOGICAL ACTIVITIES OF THE CARBOXYL-MODIFIED HORMONES. Gilardeau C, Chretien M, Lis M *Can J Physiol Pharmacol* 52: 723-6, Jun 74 (Eng)

[IN VITRO BIOSYNTHESIS OF BOVINE BETA-LIPOTROPIC HORMONE] Bertagna X, Lis M, Gilardeau C, Chretien M *Can J Biochem* 52: 349-58, May 74 (Fre)

Litwin S

DETERMINATION OF THE RATE OF HEXOKINASE-GLUCOSE DISSOCIATION BY THE ISOTOPE-TRAPPING METHOD. Rose IA, O'Connell EL, Litwin S *J Biol Chem* 249: 5163-8, 25 Aug 74 (Eng)

Livergant IuE

[BLOOD CONTENT OF IMMUNOREACTIVE INSULIN IN CHILDREN AND ADOLESCENTS WITH OBESITY] Livergant IuE, Dudenko NV, Krupchitskaia KI *Vopr Okhr Materin Det* 19: 51-4, Oct 74 (Rus)

ADOLESCENCE; ANTIGENS (analysis); BLOOD SUGAR (analysis); CHILD; ENGLISH ABSTRACT; FEMALE; GLUCOSE TOLERANCE TEST; HUMAN; INSULIN ANTIBODIES (analysis); INSULIN (blood); MALE; OBESITY (immunology).

Lloyd JK

CHILDHOOD OBESITY. Wolff OH, Lloyd JK *Proc Nutr Soc* 32: 195-8, Dec 73 (Eng) [24]

Loeb H

PHYSICAL DEVELOPMENT AND PERFORMANCE CAPACITY IN A GROUP OF DIABETIC CHILDREN AND ADOLESCENTS. Hebbelink M, Loeb H, Meersseman H *Acta Paediatr Belg* 28 suppl: 151-61, 1974 (Eng)

Loeffler K

[BLOOD SERUM EXAMINATION IN MOTHERLESS PIGLETS FROM BIRTH TO THE AGE OF SIX WEEKS (KEPT IN CAGES TILL 30 DAYS OLD). I. GOT, GLUCOSE, HEMATOLOGIC STATUS] Marx D, Loeffler K, Thran V *Berl Munch Tierarztl Wochenschr* 87: 290-5, 1 Aug 74 (Ger)

Logie AW

LONGITUDINAL STUDY OF UNTREATED CHEMICAL DIABETES. Logie AW, Stowers JM, Dingwall-Fordyce I *Br Med J* 4: 630-2, 14 Dec 74 (Eng)

ADULT; BLOOD SUGAR (analysis); BODY WEIGHT; CHLORPROPAMIDE (therapeutic use); CLINICAL RESEARCH; DIABETES MELLITUS (drug therapy); GLUCOSE TOLERANCE TEST; HUMAN; MALE; MIDDLE AGE; PLACEBOS; TIME FACTORS.

Logothetis N

DEFECTIVE GROWTH HORMONE SECRETION IN PRIMARY MICROCEPHALY. Dacou-Voutetakis C, Karpathios T, Logothetis N, Constantinidis M, Matsaniotis N, Michalopoulos E *J Pediatr* 85: 498-502, Oct 74 (Eng)

Loman A

A STUDY OF THE EFFECTS OF NICOTINIC ACID IN CATTLE, WITH SPECIAL REFERENCE TO KETOSIS THERAPY. Nurmio P, Roine K, Juokslahhti T, Loman A *Nord Vet Med* 26: 370-81, Jun 74 (Eng)

Londono JH

THE EFFECT OF ACUTE FASTING ON SLEEP AND THE SLEEP-GROWTH HORMONE RESPONSE. Karacan I, Rosenbloom AL, Londono JH, Salis PJ, Thornby JI, Williams RL *Psychosomatics* 14: 33-7, Jan-Feb 73 (Eng)

Lopez-S A

EFFECT OF LIPIDS ON GLUCAGON SECRETION IN MAN. Andrews SS, Lopez-S A, Blackard WG *Metabolism* 24: 35-44, Jan 75 (Eng)

Lorch SK

CONTROL OF MEMBRANE LIPID FLUIDITY IN ACHOLEPLASMA LAIDLAWII. Huang L, Lorch SK, Smith GG, Haug A *FEBS Lett* 43: 1-5, 1 Jul 74 (Eng)

Lucy JA

LIPIDS AND MEMBRANES. Lucy JA *FEBS Lett* 40: suppl 105:105-11, 23 Mar 74 (Eng) [45]
REVIEW; ANIMAL EXPERIMENTS; HUMAN; CELL MEMBRANE (analysis, metabolism); MEMBRANES (analysis, metabolism); PHOSPHOLIPIDS (analysis, metabolism, blood); PERMEABILITY; BIOLOGICAL TRANSPORT; DRUG STABILITY; SPHINGOMYELINS (analysis); CELL FUSION; MICROSCOPY, ELECTRON; GOLGI APPARATUS (analysis); LECTINS (analysis); ERYTHROCYTES (metabolism); CEPHALINS (analysis); ADENOSINE TRIPHOSPHATASE (metabolism); LYSOLECTHIN (analysis); PANCREAS (cytology, analysis).

Ludwig G

[THE HEMANGIOEPICITOMA OF THE KIDNEY (AUTHORS TRANSL)] Ludwig G, Nuri M, Peters HJ, Munzenmeier R *Urologe [A]* 13: 284-8, Nov 74 (Ger)

ABDOMEN, ACUTE (diagnosis); ENGLISH ABSTRACT; FEMALE; HEMANGIOEPICITOMA (pathology, complications); HUMAN; HYPOGLYCEMIA (complications); KIDNEY NEOPLASMS (pathology, complications); KIDNEY (pathology); MIDDLE AGE; NEOPLASM RECURRENCE, LOCAL; PROGNOSIS; VERTIGO (etiology).

Luft R

IMMUNOHISTOCHEMICAL EVIDENCE FOR THE LOCALIZATION OF SOMATOSTATIN-LIKE IMMUNOREACTIVITY IN A CELL POPULATION OF THE PANCREATIC ISLETS. Luft R, Efendic S, Hokfelt T, Johansson O, Arimura A *Med Biol* 52: 428-30, Dec 74 (Eng)

ANIMAL EXPERIMENTS; ANTIBODIES; ANTIGEN-ANTIBODY REACTIONS; CYTOPLASM (immunology); FLUORESCENT ANTIBODY TECHNIC; GUINEA PIGS; HISTOCYTOCHEMISTRY;

IMMUNOCHEMISTRY; ISLANDS OF LANGERHANS (immunology); MALE; MICROCOPY, FLUORESCENCE; RATS; SOMATOTROPIN RELEASING HORMONE (immunology, antagonists & inhibitors).

TRAUMA: HORMONAL FACTORS WITH SPECIAL REFERENCE TO DIABETES MELLITUS. Efendic S, Cerasi E, Luft R *Acta Anaesthesiol Scand [Suppl]* 107-19, 1974 (Eng)

Lumeng L

ON THE RELATIONSHIPS BETWEEN THE STOICHIOMETRY OF OXIDATIVE PHOSPHORYLATION AND THE PHOSPHORYLATION POTENTIAL OF RAT LIVER MITOCHONDRIA AS FUNCTIONS OF RESPIRATORY STATE. Davis EJ, Lumeng L, Bottoms D *FEBS Lett* 39: 9-12, 1 Feb 74 (Eng)

Lunardi J

AN APPRAISAL OF THE FUNCTIONAL SIGNIFICANCE OF THE INHIBITORY EFFECT OF LONG CHAIN ACYL-COAS ON MITOCHONDRIAL TRANSPORTS. Morel F, Lauquin G, Lunardi J, Duszynski J, Vignais PV *FEBS Lett* 39: 133-8, 15 Feb 74 (Eng)

Lundbaek K

THE INHIBITION BY SOMATOSTATIN OF THE THYROTROPIN RESPONSE TO THYROTROPIN-RELEASING HORMONE IN NORMAL SUBJECTS. Weekes J, Hansen AP, Lundbaek K *Scand J Clin Lab Invest* 33: 101-3, Apr 74 (Eng)

Lundquist I

SIGNIFICANCE OF ACID AMYLOGLYCOSIDASE IN SULPHONYLUREA-INDUCED INSULIN RELEASE. Lundquist I *Diabetologia* 10: 717-24, Dec 74 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE; ADENYL CYCLASE; ALBUMINS (pharmacodynamics); AMYLASE (pharmacodynamics); ANIMAL EXPERIMENTS; BLOOD SUGAR (analysis); CARBUTAMIDE (pharmacodynamics); COMPARATIVE STUDY; DOSE-RESPONSE RELATIONSHIP, DRUG; FASTING; FEMALE; GLIBENCLAMIDE (pharmacodynamics); GLUCURONIDASE (pharmacodynamics); GLYCOSIDE HYDROLASES (pharmacodynamics); INSULIN (secretion, blood); ISLANDS OF LANGERHANS (enzymology); MALE; MICE, INBRED STRAINS; NOREPINEPHRINE (pharmacodynamics); PHOSPHODIESTERASES; RATS; SECRETIN (pharmacodynamics); SULFONYLUREA COMPOUNDS (pharmacodynamics); TOLBUTAMIDE (pharmacodynamics); XANTHINES (pharmacodynamics).

Lundstrom I

CHARGE INJECTION AND CHARGE STORAGE IN LIPID MULTILAYERS. Lundstrom I, Stenberg M *Chem Phys Lipids* 12: 287-302, Jul 74 (Eng)

COMPARATIVE STUDY; MEMBRANES, ARTIFICIAL; FATTY ACIDS; MOLECULAR CONFORMATION; ELECTRIC CONDUCTIVITY; MATHEMATICS; OXIDES; TEMPERATURE, KINETICS; THERMODYNAMICS; MODELS, BIOLOGICAL; TIME FACTORS.

Lusztig G

[THICKENING OF THE AORTIC WALL IN EXPERIMENTAL CHOLESTEROL ARTERIOSCLEROSIS] Lusztig G, Mak L Z *Gesamte Inn Med* 29: 443-6, 1 Jun 74 (Ger)

ENGLISH ABSTRACT; RABBITS; ANIMAL EXPERIMENTS; MALE; FEMALE; ARTERIOSCLEROSIS (pathology, chemically induced); CHOLESTEROL (blood); DIET, ATHEROGENIC; AORTA, ABDOMINAL (pathology); AORTA, THORACIC (pathology); LIPIDS (blood).

Lutz W

[CARBOHYDRATES OR LIPIDS] Lutz W Z *Allgemeinmed* 50: 981-3, 10 Aug 74 (Ger)
HUMAN; CARBOHYDRATES (adverse effects); LIPIDS (adverse effects); NUTRITION; OBESITY (therapy); NUTRITIONAL REQUIREMENTS; DIET THERAPY; EVALUATION STUDIES; ARTERIOSCLEROSIS (etiology); DIET, REDUCING.

Mabry CC

LETTER: MANAGEMENT OF LIPOATROPHIC DIABETES. Upton GV, Corbin A, Mabry CC, Hollingsworth DR *N Engl J Med* 292: 592, 13 Mar 75 (Eng)

Mac Donald MJ

EQUAL INCIDENCE OF ADULT-ONSET DIABETES AMONG ANCESTORS OF JUVENILE DIABETICS AND NONDIABETICS. Mac Donald MJ *Diabetologia* 10: 767-73, Dec 74 (Eng)

ADOLESCENCE; ADULT; AGE FACTORS; ATTITUDE TO HEALTH; CHILD; COMPARATIVE STUDY; DIABETES MELLITUS (familial & genetic, occurrence); DIABETES MELLITUS, JUVENILE (familial & genetic, occurrence); EPIDEMIOLOGIC METHODS; FAMILY; HUMAN; MIDDLE AGE; NEW YORK.

McCann SM

THE ADENOHPHYSIAL RESPONSE TO STRESS AND ITS HYPOTHALAMIC CONTROL. McCann SM, Krulich L, Illner P, Quijada M, Ajika K, Fawcett CP *Adv Exp Med Biol* 33: 157-64, 1972 (Eng)

RATS; ANIMAL EXPERIMENTS; PITUITARY GLAND (physiopathology); STRESS (physiopathology); HYPOTHALAMUS (physiopathology); CORTICOTROPIN (secretion); CORTICOTROPIN RELEASING HORMONE (secretion); VASOPRESSIN (secretion); SOMATOTROPIN (secretion); SOMATOTROPIN RELEASING HORMONE (secretion); NEURONS, AFFERENT; PROLACTIN (secretion); FSH (secretion); LH (secretion).

MacCuish AC

ANTIBODIES TO PANCREATIC ISLET CELLS IN INSULIN-DEPENDENT DIABETICS WITH COEXISTENT AUTOIMMUNE DISEASE. MacCuish AC, Irvine WJ, Barnes EW, Duncan LJ *Lancet* 2: 1529-31, 28 Dec 74 (Eng)

ADDISON'S DISEASE (immunology, complications); ADULT; ANEMIA, PERNICIOUS (complications, immunology); AUTOANTIBODIES (isolation & purification); AUTOIMMUNE DISEASES; DIABETES MELLITUS (immunology, etiology, drug therapy, complications); DIABETES MELLITUS, JUVENILE (immunology); FEMALE; FLUORESCENT ANTIBODY TECHNIC; HUMAN; IGG (isolation & purification); IMMUNOGLOBULINS (isolation & purification); INSULIN (therapeutic use); ISLANDS OF LANGERHANS (immunology); MALE; MENSTRUATION DISORDERS (complications, immunology); MIDDLE AGE; ORGAN SPECIFICITY; SEX FACTORS; THYROID DISEASES (complications, immunology).

McCullough W

THE ROLE OF MALIC ENZYME IN ASPERGILLUS NIDULANS. McCullough W, Roberts CF *FEBS Lett* 41: 238-42, 1 May 74 (Eng)
COMPARATIVE STUDY; ASPERGILLUS NIDULANS (enzymology, drug effects, metabolism); MALATE DEHYDROGENASE (metabolism, biosynthesis); CHROMATOGRAPHY, PAPER; SPECTROPHOTOMETRY, ULTRAVIOLET; NAD (metabolism); NADP (metabolism); PYRUVATE KINASE (metabolism);

Diabetes Literature—Author Index

MacDonald I

DITHIOHREITOL (pharmacodynamics); DRUG STABILITY; MUTATION;
HYDROXYMERCURIBENZOATES (pharmacodynamics); GLUTAMATES (metabolism); ACETATES (metabolism); SUCROSE (metabolism); GLYCERIN (metabolism); GLUCOSE (metabolism); TIME FACTORS; CELL-FREE SYSTEM.

MacDonald I

ORAL DIAZOXIDE IN UNCONTROLLED MALIGNANT HYPERTENSION. Fang P, MacDonald I, Laver M, Hua A, Kincaid-Smith P *Med J Aust* 2: 621-4, 26 Oct 74 (Eng)

MacDonald MJ

FAILURE OF 6-AMINONICOTINAMIDE TO INHIBIT THE POTENTIATING EFFECT OF LEUCINE AND ARGININE ON GLUCOSE-INDUCED INSULIN RELEASE IN VITRO. MacDonald MJ, Ammon HP, Patel T, Steinke J *Diabetologia* 10: 761-5, Dec 74 (Eng)

ANIMAL EXPERIMENTS; ARGININE (antagonists & inhibitors, pharmacodynamics); COMPARATIVE STUDY; DRUG SYNERGISM; FEMALE; GLUCOSE (pharmacodynamics, metabolism); HEXOSEPHOSPHATES (metabolism); INSULIN (secretion); LEUCINE (antagonists & inhibitors, pharmacodynamics); NICOTINAMIDE (pharmacodynamics); OXIDATION-REDUCTION; RATS.

Machado AE

[ASPECTS OF AEROBIC RESPIRATION IN THE HEART AND AORTIC WALL IN THE EXPERIMENTAL RABBIT ATHEROSCLEROSIS (AUTHORS TRANSL)] Pinto G, Erlon L, Rodrigues A, Nery JW, Machado AE *Rev Bras Pesqui Med Biol* 7: 133-8, Mar-Apr 74 (Por)

McKeever PE

GLUCOSE OXIDATION IN ALVEOLAR MACROPHAGES: PHARMACOLOGIC FEATURES. Gee JB, Khandwala AS, McKeever PE, Malawista SE *J Reticuloendothel Soc* 15: 387-93, May 74 (Eng)

McKeown BA

EFFECT OF EXERCISE ON LEVELS OF PLASMA GROWTH HORMONE, FREE FATTY ACIDS, AND GLUCOSE IN THE PIGEON. McKeown BA, John TM, George JC *Arch Int Physiol Biochem* 82: 55-62, Feb 74 (Eng)

ANIMAL EXPERIMENTS; COMPARATIVE STUDY; EXERTION; SOMATOTROPIN (blood); FATTY ACIDS, NONESTERIFIED (blood); BLOOD SUGAR (metabolism); PIGEONS; ELECTRIC STIMULATION; RADIOIMMUNOASSAY; AUTOANALYSIS; COLORIMETRY; TIME FACTORS.

Mackie CC

A METHOD FOR THE EPIDEMIOLOGIC STUDY OF EARLY DIABETES. Rund CG, Jackson RJ, Mackie CC *Can Med Assoc J* 111: 1312-4, 21 Dec 74 (Eng)

Mackiewicz W

KININS AND HYPOGLYCEMIC CONVULSIONS. Wisniewski K, Mackiewicz W *Pol J Pharmacol Pharm* 26: 611-5, Jul-Aug 74 (Eng)

Maclaren NK

GLYCEROL INTOLERANCE IN A CHILD WITH INTERMITTENT HYPOGLYCEMIA. Maclaren NK, Cowles C, Ozand PT, Shuttie R, Cornblath M *J Pediatr* 86: 43-9, Jan 75 (Eng)

ALANINE (blood); CARBON RADIOISOTOPES; CHILD, PRESCHOOL; CONSCIOUSNESS (drug effects); CONVULSIONS (chemically induced); FRUCTOSE (metabolism); GLUCAGON (metabolism); GLYCERIN (adverse effects, metabolism, diagnostic use); GLYCEROLPHOSPHATE DEHYDROGENASE

(blood); HEXOSEPHOSPHATASE (blood); HUMAN; HYDROCORTISONE (blood); HYDROXYBUTYRATES (blood); HYPOGLYCEMIA (metabolism, blood); INSULIN (blood); LEUKOCYTES (metabolism, enzymology); MALE; SOMATOTROPIN (blood); SWEATING (drug effects); TRIGLYCERIDES (metabolism); UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

McNeill JH

THE EFFECT OF NORADRENALINE AND TYRAMINE ON CARDIAC CONTRACTILITY, CYCLIC AMP, AND PHOSPHORYLASE A IN NORMAL AND HYPERTHYROID RATS. Young BA, McNeill JH *Can J Physiol Pharmacol* 52: 375-83, Jun 74 (Eng)

Maddaiah VT

HEPATIC MICROSOMAL MEMBRANE: ACTIVATION OF GLUCOSE-6-PHOSPHATASE. Carvo M, Maddaiah VT, Collipp PJ, Chen SY *FEBS Lett* 39: 102-4, 1 Feb 74 (Eng)

Maeda Y

ROLE OF BRAIN NORADRENALINE IN THE REGULATION OF PITUITARY-ADRENOCORTICAL FUNCTIONS. Kumeda H, Uchimura H, Kawabata T, Maeda Y, Okamoto O *J Endocrinol* 62: 161-2, Jul 74 (Eng)

Magbagbeola JA

INFLUENCE OF ETHER ANAESTHESIA ON SUXAMETHONIUM-INDUCED HYPERKALAEMIA. Magbagbeola JA, Adadevoh BK, Durowoju JE *Anaesthesia* 29: 429-34, Jul 74 (Eng)

ADULT; MIDDLE AGE; HUMAN; HYPERKALEMIA (chemically induced, prevention & control); SUCCINYLCHOLINE (adverse effects); ETHYL ETHERS; ANESTHESIA, GENERAL; BLOOD SUGAR; POTASSIUM (blood); THIOPENTAL; TUBOCURARINE.

Mahler RJ

EFFECTS OF STREPTOZOTOCIN ON GLUCOSE METABOLISM, INSULIN RESPONSE, AND ADIPOSITY IN OB/OB MICE. Batchelor BR, Stern JS, Johnson PR, Mahler RJ *Metabolism* 24: 77-91, Jan 75 (Eng)

Mailen JC

OPTIMIZATION AND ANALYTICAL APPLICATIONS OF THE TECHNIQUE DYNAMIC INTRODUCTION OF LIQUIDS INTO CENTRIFUGAL ANALYZERS. Burtis CA, Johnson WF, Overton JB, Tiffany TO, Mailen JC *Clin Chem* 20: 932-41, Aug 74 (Eng)

Maina G

EFFECTS OF SYNTHALIN ON MITOCHONDRIAL FUNCTIONS. Maina G, Mwehia N *Biochem Pharmacol* 24: 529-33, 15 Feb 75 (Eng)

ANIMAL EXPERIMENTS; ANTIDIABETICS; BIGUANIDES (metabolism); CALCIUM (metabolism); CHROMATOGRAPHY, THIN LAYER; ENERGY METABOLISM (drug effects); GUANIDINES (pharmacodynamics); HYDROGEN-ION CONCENTRATION; IN VITRO; MALE; MITOCHONDRIA, MUSCLE (metabolism, drug effects); MONKEYS; MYOCARDIUM (ultrastructure, metabolism); OXYGEN CONSUMPTION (drug effects); PHOSPHOLIPIDS (metabolism); PROTONS; TIME FACTORS.

Mak L

[THICKENING OF THE AORTIC WALL IN EXPERIMENTAL CHOLESTEROL ARTERIOSCLEROSIS] Lusztig G, Mak L *Z Gesamte Inn Med* 29: 443-6, 1 Jun 74 (Ger)

Makino H

FLUOROMETRIC ASSAY FOR DISCRIMINATING THE STATES OF AMINO GROUPS IN INSULIN, LYSOZYME AND ASPARAGINASE WITH FLUORESCAMINE. Tamaura Y, Todokoro K, Ikebe M, Makino H, Hirose S *FEBS Lett* 50: 70-3, 15 Jan 75 (Eng)

Makita Y

FREEZE-FRACTURE IMAGES OF CAPILLARIES IN NORMAL AND NEOPLASTIC PITUITARIES. Tani E, Ikeda K, Kudo S, Yamagata S, Makita Y *Acta Neuropathol (Berl)* 28: 105-16, 1974 (Eng)

Malaisse WJ

THE STIMULUS-SECRETION COUPLING OF GLUCOSE-INDUCED INSULIN RELEASE. XVII. EFFECTS OF SULFONYLUREAS AND DIAZOXIDE ON INSULAR BIOSYNTHETIC ACTIVITY. Levy J, Malaisse WJ *Biochem Pharmacol* 24: 235-9, 15 Jan 75 (Eng)

Malawista SE

GLUCOSE OXIDATION IN ALVEOLAR MACROPHAGES: PHARMACOLOGIC FEATURES. Gee JB, Khandwala AS, McKeever PE, Malawista SE *J Reticuloendothel Soc* 15: 387-93, May 74 (Eng)

Maleva E

[ENDOCRINE GLAND CHANGES IN A PATIENT WITH MORGAGNI-STEWART-MOREL SYNDROME] Koev D, Maleva E, Koeva L *Vutr Boles* 13: 125-9, 1974 (Bul)

Malhotra MS

EFFECT OF ADAPTATION TO HIGH ALTITUDE ON COMPONENTS OF BLOOD AND URINE OF LOWLANDERS COMPARED WITH HIGH ALTITUDE NATIVES. Shivastava KK, Malhotra MS *Int J Biometeorol* 18: 229-87, Dec 74 (Eng)

Malik TK

DEGREE OF ACETONAEMIA FOLLOWING EPINEPHRINE INFUSION TO DETERMINE BIOCHEMICAL CHARACTERIZATION OF DIABETES MELLITUS. Malik TK, Kumar V, Ahuja MM *Indian J Med Res* 62: 80-5, Jan 74 (Eng)

ACETONE (blood); BLOOD SUGAR (analysis); DIABETES MELLITUS (diagnosis, blood); DIAGNOSIS, DIFFERENTIAL; EPINEPHRINE (diagnostic use); HUMAN; KETOSIS, DIABETIC (diagnosis).

Malins JM

STUDIES ON WHOLE-BODY POTASSIUM IN NON-KETOACIDOTIC DIABETICS BEFORE AND AFTER TREATMENT. Walsh CH, Soler NG, James H, Fitzgerald MG, Malins JM *Br Med J* 4: 738-40, 28 Dec 74 (Eng)

Malmstadt HV

A CENTRIFUGAL ANALYZER WITH A NEW ALL-DIGITAL MEASUREMENT SYSTEM. Avery J, Gregory RP 4th, Renoe BW, Woodruff T, Malmstadt HV *Clin Chem* 20: 942-49, Aug 74 (Eng)

A VERSATILE MINIDISC MODULE FOR A CENTRIFUGAL ANALYZER. Renoe BW, Gregory RP 4th, Avery J, Malmstadt HV *Clin Chem* 20: 955-60, Aug 74 (Eng)

INCORPORATION OF A HIGH-SPEED DECIMAL DATA PROCESSOR INTO A CENTRIFUGAL ANALYZER. Gregory RP 4th, Avery J, Renoe BW, Dryden PC, Malmstadt HV *Clin Chem* 20: 950-4, Aug 74 (Eng)

Mamoli B

[URAEIC POLYNEUROPATHY AFTER RENAL TRANSPLANTATION (AUTHORS TRANSL)] Mamoli B, Kopsa H, Gerstenbrand F,

Kotzaurek R, Pateisky K *J Neurol* 208: 63-9, 1974 (Ger)

ADRENAL CORTX HORMONES (adverse effects); ADULT; CREATININE (blood); DIABETES MELLITUS (chemically induced); ELECTROMYOGRAPHY; ENGLISH ABSTRACT; FEMALE; HUMAN; KIDNEY (transplantation); MALE; MIDDLE AGE; NEURAL CONDUCTION; POLYNEURITIS (complications); TRANSPLANTATION, HOMOLOGOUS; UREMIA (complications).

Manston R

A COMPARISON OF ANTICOAGULANTS FOR THE ANALYSIS OF GLUCOSE CONCENTRATION AND FOR HAEMATOLOGICAL MEASUREMENTS IN BOVINE BLOOD. Manston R, Whitlock RH, Young ER *J Comp Pathol* 84: 59-65, Jan 74 (Eng)

CATTLE; COMPARATIVE STUDY; ANTICOAGULANTS (pharmacodynamics); BLOOD SUGAR (analysis); HEMATOCRIT (veterinary); GLYCOLYSIS (drug effects); POTASSIUM (pharmacodynamics); OXALATES; SODIUM; FLUORIDES (pharmacodynamics); AMMONIUM COMPOUNDS (pharmacodynamics); EDTA (pharmacodynamics); ERYTHROCYTE COUNT (veterinary); HEMOGLOBINOMETRY (veterinary); TIME FACTORS; TEMPERATURE; HEMOLYSIS (drug effects).

Mantegazza P

CENTRAL HYPOTHERMIA BY 2-DEOXY-D-GLUCOSE: ANTAGONISM BY ALPHA-ADRENERGIC ACTIVATION. Muller EE, Cocchi D, Jallanbo H, Udeschini G, Peruzzi G, Mantegazza P *Eur J Pharmacol* 26: 243-55, May 74 (Eng)

Maric Z

INTERACTION OF HUMAN SERUM HIGH DENSITY LIPOPROTEINS WITH TRIGLYCERIDES IN VITRO. Koren E, Maric Z, Milkovic S *FEBS Lett* 44: 43-9, 15 Aug 74 (Eng)

Marks S

CURRENT CONCEPTS RELATING TO METABOLIC CHANGES AFTER PORTACAVAL SHUNTS, AND ALCOHOL AND THE PANCREAS. (2). ALCOHOL AND THE PANCREAS. Wheatley IC, Waterworth MW, Barbezat GO, Bank S, Marks S, Hickman R, Terblanche JS *J Afr J Surg* 12: 202-4, Dec 74 (Eng)

Marks V

LETTER: DOPAMINE-BETA-HYDROXYLASE AND SYMPATHO-ADRENAL ACTIVITY. Goodwin PM, Harrop J, Marks V *Lancet* 1: 170-1, 18 Jan 75 (Eng)

Markussen J

THE ABILITY OF VARIOUS INSULINS AND INSULIN FRAGMENTS TO INHIBIT THE ANGIOTENSIN I CONVERTING ENZYME. Bing J, Poulsen K, Markussen J *Acta Pathol Microbiol Scand* [A] 82: 777-82, Nov 74 (Eng)

Markwald RR

ULTRASTRUCTURAL OBSERVATIONS OF ANTERIOR PITUITARY SOMATOTROPHS FOLLOWING PITUITARY PORTAL VESSEL INFUSION OF DIBUTYRYL CAMP. Wilbur DL, Worthington WC Jr, Markwald RR *Am J Anat* 141: 139-45, Sep 74 (Eng)

Marova EI

[RESULTS OF THE STUDY OF SOMATOTROPIC FUNCTION OF THE HYPOPHYSIS WITH THE AID OF INSULIN TOLERANCE TEST IN PATIENTS WITH HYPOGONADISM] Nekrasova LV, Sokolov IaA, Marova EI *Probl Endokrinol* (Mosk) 20: 31-6, Sep-Oct 74 (Rus)

Marsh D

INTERMOLECULAR STERIC INTERACTIONS AND LIPID CHAIN FLUIDITY IN PHOSPHOLIPID MULTILAYERS. A SPIN LABEL STUDY. Marsh D *Can J Biochem* 52: 631-6, Jul 74 (Eng)

LECITHINS; MEMBRANES, ARTIFICIAL; MODELS, BIOLOGICAL; ELECTRON SPIN RESONANCE; MOLECULAR CONFORMATION; TEMPERATURE; STEARIC ACID; EGG YOLK; BINDING SITES; CHOLESTEROL; SPIN LABELS; MATHEMATICS.

Martin FI

FACTORS INFLUENCING THE PROGNOSIS OF VASCULAR DISEASE IN INSULIN-DEFICIENT DIABETES OF LONG DURATION: A SEVEN-YEAR FOLLOW-UP. Martin FI, Warne GL *Metabolism* 24: 1-9, Jan 75 (Eng)

ADULT; AGE FACTORS; AGED; ANIMAL EXPERIMENTS; BLOOD SUGAR; CHOLESTEROL (blood); COMPARATIVE STUDY; DIABETES MELLITUS (drug therapy); DIABETIC ANGIOPATHIES (diagnosis, mortality); FASTING; FEMALE; FOLLOW-UP STUDIES; INSULIN (therapeutic use); MALE; MIDDLE AGE; TIME FACTORS.

Martin Zurro A

[HEPATIC CIRRHOSIS (NON HEMOCHROMATOSIC), DIABETES MELLITUS, II. INCIDENCE OF CHEMICAL DIABETES IN A GROUP OF 106 CIRRHOTIC PATIENTS] Cerdan Vallejo A, Martin Zurro A, Camunez Benjumea F, Ortiz Vazquez J *Rev Clin Exp* 134: 355-62, 31 Aug 74 (Spa)

Martynenko FP

[LEUCINE-C14 INCORPORATION INTO RAT SOMATOTROPIC HORMONE DEPENDING ON THE LEVEL OF THYROID HORMONES IN THE BODY] Martynenko FP, Rozhko OT, Novikova NP *Probl Endokrinol* (Mosk) 20: 107-10, Jan-Feb 74 (Rus)

ENGLISH ABSTRACT; RATS; ANIMAL EXPERIMENTS; MALE; LEUCINE (metabolism); SOMATOTROPIN (biosynthesis, analysis); THYROID HORMONES (physiology); THYROIDECTOMY; THYROID GLAND (physiology); TIME FACTORS; THYROXINE (pharmacodynamics); PITUITARY GLAND (metabolism, analysis); ORGAN WEIGHT; ELECTROPHORESIS, POLYACRYLAMIDE GEL; PHOTOMETRY; CARBON RADIOISOTOPES; SCINTILLATION COUNTERS; DEPRESSION, CHEMICAL.

Maruhama Y

EFFECT OF CLOFIBRATE ADMINISTRATION ON PLASMA POST-HEPARIN LIPOLYTIC ACTIVITY IN MAN. Maruhama Y, Yanbe A, Abe R, Oneda A, Yamagata S *Tohoku J Exp Med* 113: 343-9, Aug 74 (Eng)

ACETOHEXAMIDE (therapeutic use); BLOOD SUGAR (analysis); CHOLESTEROL (blood); CLOFIBRATE (administration & dosage, pharmacodynamics); DIABETES MELLITUS (enzymology, drug therapy, blood); FATTY ACIDS, NONESTERIFIED (blood); FEMALE; HUMAN; LIPOPROTEIN LIPASE (blood); MALE; MIDDLE AGE; PHOSPHOLIPIDS (blood); TRIGLYCERIDES (blood).

Marusik T

[VALUES OF MEAN ERYTHEMA-PRODUCING DOSES OF SOLAR RADIATION IN HEALTH-SUBJECTS AND DIABETICS] Ponikowska I, Marusik T, Tyczka S *Pol Tyg Lek* 30: 19-21, 6 Jan 75 (Pol)

Marx D

[BLOOD SERUM EXAMINATION IN MOTHERLESS PIGLETS FROM BIRTH TO THE AGE OF SIX WEEKS (KEPT IN CAGES TILL 30

DAYS OLD). I. GOT, GLUCOSE, HEMATOLOGIC STATUS] Marx D, Loeffler K, Thran V *Berl Munch Tierarztl Wochenschr* 87: 290-5, 1 Aug 74 (Ger)

ANIMAL EXPERIMENTS; SWINE (growth & development); WEANING; ASPARTATE AMINOTRANSFERASE (blood); BLOOD SUGAR; BLOOD CELL COUNT (veterinary).

Marzo A

[DIGESTION, ABSORPTION AND DISTRIBUTION OF DIETARY LIPIDS] Ghirardi P, Marzo A *Recent Prog Med* (Roma) 53: 552-64, Dec 74 (Ita)

Mathew NT

REDISTRIBUTION OF REGIONAL CEREBRAL BLOOD FLOW AFTER GLYCEROL INFUSION IN ACUTE CEREBRAL INFARCTION. Ott EO, Mathew NT, Meyer JS *Neurology* (Minneapolis) 24: 1117-26, Dec 74 (Eng)

Matsaniotis N

DEFECTIVE GROWTH HORMONE SECRETION IN PRIMARY MICROCEPHALY. Dacou-Voutetakis C, Karpathios T, Logothetis N, Constantinidis M, Matsaniotis N, Michalopoulou E *J Pediatr* 85: 498-502, Oct 74 (Eng)

Matsuda K

EFFECT OF INTRAPANCREATIC ADMINISTRATION OF CALCIUM UPON GLUCAGON SECRETION IN DOGS. Ohneda A, Matsuda K, Horigome K, Ishii S, Yamagata S *Tohoku J Exp Med* 113: 301-11, Aug 74 (Eng)

Matsunaga K

[REHABILITATION NURSING OF PATIENTS WITH CHRONIC DISEASES, BESIDE EDUCATION OF PATIENTS WITH DIABETES MELLITUS] Matsunaga K *Jpn J Nurs Art* 20: 57-66, Oct 74 (Jpn)

DIABETES MELLITUS (rehabilitation); HUMAN; PATIENTS (education); REHABILITATION (nursing); SPECIAL LIST NURSING.

Matthews DM

COMPETITION BETWEEN CARNOSINE AND OTHER PEPTIDES FOR TRANSPORT BY HAMSTER JEJUNUM IN VITRO. Addison JM, Matthews DM, Burston D *Clin Sci Mol Med* 46: 707-14, Jun 74 (Eng)

Maurer B

AORTIC VELOCITY AND ACCELERATION MEASUREMENTS IN THE ASSESSMENT OF CORONARY HEART DISEASE. Jewitt D, Gabe I, Mills C, Maurer B, Thomas M, Shillingford J *Eur J Cardiol* 1: 299-305, Mar 74 (Eng)

Mayer J

EFFECT OF A LOW DOSE OF ALLOXAN ON BLOOD GLUCOSE, ISLET BETA CELL GRANULATION, BODY WEIGHT, AND INSULIN RESISTANCE OF OB/OB MICE. Solomon J, Bulkley RJ, Mayer J *Diabetologia* 10: 709-15, Dec 74 (Eng)

Mazanek E

[ADRENAL RESERVE IN DIABETES INSIPIDUS TREATED WITH CHLORPROPAMIDE] Mazanek E, Zalewski J, Kowalski S, Panek E, Starzewska H *Endokrynol Pol* 26: 17-20, Jan-Feb 75 (Pol)

ADOLESCENCE; ADRENAL GLANDS (drug effects); ADULT; CHLORPROPAMIDE (therapeutic use); CORTICOTROPIN (pharmacodynamics); DIABETES INSIPIDUS (drug therapy); ENGLISH ABSTRACT; FEMALE; HUMAN; MALE; MIDDLE AGE; STIMULATION, CHEMICAL; 17-KETOSTEROIDS (urine).

Mazovetskii AG

Mazovetskii AG

[DISORDERS OF THE CARDIOVASCULAR SYSTEM IN PATIENTS WITH DIABETES MELLITUS] Klichko VR, Mazovetskii AG, Slavina LS *Kardiologia* 14: 150-8, Oct 74 (Rus)

[CLINICAL EVALUATION OF THE ECG CHANGES IN DIABETES MELLITUS] Slavina LS, Mazovetskii AG, Okeanova TA *Probl Endokrinol (Mosk)* 20: 13-6, Sep-Oct 74 (Rus)

McIntyre HB

PHYSIOLOGICAL CONTROL OF GROWTH HORMONE IN THE RABBIT. McIntyre HB, Odell WD *Neuroendocrinology* 16: 8-21, 1974 (Eng)

ANIMAL EXPERIMENTS; ARGININE; BLOOD SUGAR; CHLORPROMAZINE (pharmacodynamics); DEPRESSION, CHEMICAL; ELECTRIC STIMULATION; ESTROGENS (pharmacodynamics); FASTING; HYPOGLYCEMIA (metabolism, chemically induced); HYPOTHALAMUS (physiology); INSULIN; PENTOBARBITAL (pharmacodynamics); PITUITARY GLAND (secretion); PITUITARY GLAND, ANTERIOR (secretion); RABBITS; RADIOIMMUNOASSAY; SOMATOTROPIN (secretion, blood); STIMULATION, CHEMICAL, STRESS (metabolism); TIME FACTORS.

McLain L

A NONCULTURE METHOD FOR HOME FOLLOW-UP OF URINARY TRACT INFECTIONS IN CHILDHOOD. Todd J, McLain L, Duncan B, Brown M *J Pediatr* 85: 514-6, Oct 74 (Eng)

McNeilly AS

LONG-TERM INFUSION OF GROWTH HORMONE RELEASE INHIBITING HORMONE IN ACROMEGALY: EFFECTS ON PITUITARY AND PANCREATIC HORMONES. Besser GM, Mortimer CH, McNeilly AS, Thorner MO, Batistoni GA, Bloom SR, Kastrup KW, Hanssen KF, Hall R, Coy DH, Kustin AJ, Schally AV *Br Med J* 4: 622-7, 14 Dec 74 (Eng)

PROCEEDINGS: THE RELATIONSHIP BETWEEN PROLACTIN AND GONADOTROPHINS: EFFECTS OF CLOMIPHENE ADMINISTRATION IN NORMAL MEN. Thorner MO, Besser GM, Hagen C, McNeilly AS *J Endocrinol* 63: 43p-44p, Nov 74 (Eng)

McQueen EG

NEW ZEALAND COMMITTEE ON ADVERSE DRUG REACTIONS: NINTH ANNUAL REPORT 1974. McQueen EG *NZ Med J* 80: 305-11, 9 Oct 74 (Eng)

ABNORMALITIES, DRUG-INDUCED (etiology); ADOLESCENCE; ADULT; AGED; ANTIDIABETICS (adverse effects); ANTINEOPLASTIC AGENTS (adverse effects); DRUG INTERACTIONS; DRUG THERAPY (adverse effects); FEMALE; HALOTHANE (adverse effects); HOSPITALIZATION; HOSPITALS, TEACHING; HUMAN; INFANT; MALE; MIDDLE AGE, NEW ZEALAND; NITROFURANTOIN (adverse effects); OXPRENOLOL (adverse effects); PHENYLBUTAZONE (adverse effects); SUCCINYLCHOLINE (adverse effects); SULFAMETHOXAZOLE (adverse effects); TRIMETHOPRIM (adverse effects).

McQuillen MP

PRACTICAL APPROACHES TO MANAGING PERIPHERAL NEUROPATHIES. McQuillen MP *Geriatrics* 30: 109-16, Jan 75 (Eng)

AGED; ANTICONSULSANTS (therapeutic use); ANTIDEPRESSIVE AGENTS (therapeutic use); BIOPSY; CAUSALGIA (diagnosis); DIABETIC NEUROPATHIES (diagnosis); DIAGNOSIS, DIFFERENTIAL; ELECTROMYOGRAPHY; FEMALE; HUMAN; MALE; MUSCLES (pathology); PERIPHERAL NERVE DISEASES

Diabetes Literature—Author Index

(therapy, diagnosis, drug therapy); PHYSICAL THERAPY; VASODILATOR AGENTS (therapeutic use).

Meersseman H

PHYSICAL DEVELOPMENT AND PERFORMANCE CAPACITY IN A GROUP OF DIABETIC CHILDREN AND ADOLESCENTS. Hebbelink M, Loeb H, Meersseman H *Acta Paediatr Belg* 28 suppl: 151-61, 1974 (Eng)

Meester WD

THE EFFECT OF PENTAERYTHRITOL TETRANITRATE PRETREATMENT ON EXPERIMENTAL CORONARY OCCLUSION. Meester WD, Van Harn GL *Am Heart J* 88: 330-7, Sep 74 (Eng)

DOGS; ANIMAL EXPERIMENTS; MALE; PENTAERYTHRITOL TETRANITRATE (therapeutic use, pharmacodynamics, administration & dosage); CORONARY DISEASE (drug therapy, etiology, physiopathology, mortality); HEART CATHETERIZATION; BLOOD PRESSURE (drug effects); CARDIAC OUTPUT (drug effects); HEART RATE (drug effects); ASPARTATE AMINOTRANSFERASE (blood); LACTATE DEHYDROGENASE (blood); CREATINE KINASE (blood); BLOOD SUGAR (analysis); FATTY ACIDS, NONESTERIFIED (blood); OXYGEN (blood); CARBON DIOXIDE (blood); HYDROGEN-ION CONCENTRATION; EMBOLISM (etiology); TIME FACTORS.

Meijer AJ

EVIDENCE FOR ELECTROGENIC ASPARTATE TRANSPORT IN RAT LIVER MITOCHONDRIA. LaNoue KF, Meijer AJ, Brouwer A *Arch Biochem Biophys* 161: 544-50, 2 Apr 74 (Eng)

Meiramov GG

[THE ROLE OF ZINC BLOCKADE IN THE PATHOGENESIS OF DITHIZONE-INDUCED DIABETES] Lazaris IaA, Meiramov GG *Probl Endokrinol (Mosk)* 20: 90-4, Sep-Oct 74 (Rus)

Meluzin F

[AUSTRALIA ANTIGEN (HBAG) IN MEDICAL PERSONEL AND DIABETIC PATIENTS (AUTHORS TRANSL.) Meluzin F, Kubecova F, Spicka J, Slavik V *Cas Lek Cesk* 113: 1387-9, 7 Nov 74 (Cze)

ALLIED HEALTH PERSONNEL; AUSTRALIA ANTIGEN (isolation & purification); BLOOD DONORS; CZECHOSLOVAKIA; DIABETES MELLITUS (microbiology); ENGLISH ABSTRACT; HUMAN.

Menendez-Botet CJ

CHEMICAL AND CLINICAL EVALUATION OF THE CONTINUOUS-FLOW ANALYZER SMAC. Schwartz MK, Bethune VG, Fleisher M, Pennacchia G, Menendez-Botet CJ, Lehman D *Clin Chem* 20: 1062-70, Aug 74 (Eng)

Menser MA

FULMINANT ONSET OF DIABETES MELLITUS DURING AN ATTACK OF INFECTIOUS MONONUCLEOSIS. Burgess JA, Kirkpatrick KL, Menser MA *Med J Aust* 2: 706-7, 9 Nov 74 (Eng)

Merkel RA

SERUM INSULIN, GLUCOSE, AND FREE FATTY ACIDS IN THE COW AND FETUS DURING GESTATION. Grigby JS, Oxender WD, Hafs HD, Britt DG, Merkel RA *Proc Soc Exp Biol Med* 147: 830-4, Dec 74 (Eng)

Messing RA

ASSAY OF GLUCOSE OXIDASE BY DIFFERENTIAL CONDUCTIVITY. Messing RA *Biotechnol Bioeng* 16: 525-9, Apr 74 (Eng)

GLUCOSE OXIDASE (analysis); ELECTRIC CONDUCTIVITY; ELECTRODES; GLUCOSE

(analysis); OXYGEN CONSUMPTION; HYDROGEN PEROXIDE.

Metcalfe JC

COMPLETE CONTROL OF THE LIPID ENVIRONMENT OF MEMBRANE-BOUND PROTEINS: APPLICATION TO A CALCIUM TRANSPORT SYSTEM. Warren GB, Toon PA, Birdsall NJ, Lee AG, Metcalfe JC *FEBS Lett* 41: 122-4, 15 Apr 74 (Eng)

Metzger BE

CARBOHYDRATE METABOLISM IN PREGNANCY. XII. THE EFFECT OF ORAL GLUCOSE ON PLASMA CONCENTRATIONS OF HUMAN PLACENTAL LACTOGEN AND CHORIONIC GONADOTROPIN DURING LATE PREGNANCY IN NORMAL SUBJECTS AND GESTATIONAL DIABETICS. Surmaczynska BZ, Nitzan M, Metzger BE, Freinkel N *Isr J Med Sci* 10: 1481-6, Dec 74 (Eng)

Meyer JS

CEREBRAL METABOLIC EFFECTS OF GLYCEROL INFUSION IN DIABETICS WITH STROKE. Meyer JS, Shimazu K, Ouchi T, Okamoto S, Koto A, Fukuuchi Y, Ericsson AD *J Neurol Sci* 21: 1-22, Jan 74 (Eng)

ACID-BASE EQUILIBRIUM; ACUTE DISEASE; BRAIN (blood supply, metabolism); CEREBROVASCULAR DISORDERS (drug therapy, metabolism); DIABETES MELLITUS (complications, metabolism); FATTY ACIDS, NONESTERIFIED (metabolism); FEMALE; GLUCOSE (metabolism); GLUTAMATES (metabolism); GLYCERIN (therapeutic use); HUMAN; HYDROXYBUTYRATES (metabolism); INFARCTION (complications, drug therapy, metabolism); MALE; MIDDLE AGE; OXYGEN CONSUMPTION; PHOSPHATES (metabolism).

REDISTRIBUTION OF REGIONAL CEREBRAL BLOOD FLOW AFTER GLYCEROL INFUSION IN ACUTE CEREBRAL INFARCTION. Ott EO, Mathew NT, Meyer JS *Neurology (Minneapolis)* 24: 1117-26, Dec 74 (Eng)

Meyer LW

[STUDIES ON THE MECHANISM OF NICOTINE-INDUCED LIPOLYSIS IN MAN] Rutzmann KP, Meyer LW, Riemer D *Z Gesamte Inn Med* 29: 410-3, 15 May 74 (Ger)

Meyer-Rohn J

[NONSPECIFIC POSITIVE REACTIONS OF THE FTA-TEST] Meyer-Rohn J *Hautarzt* 25: 528-9, Nov 74 (Ger)

ADULT; DIABETES MELLITUS (blood); FALSE POSITIVE REACTIONS; FEMALE; FLUORESCENT ANTIBODY TECHNIC; HUMAN; LEPROSY (blood); LIVER CIRRHOSIS (blood); LUPUS ERYTHEMATOSUS, SYSTEMIC (blood); MALE; PREGNANCY; SYPHILIS SERODIAGNOSIS (methods); SYPHILIS (blood); TUBERCULOSIS (blood).

Meyers E

EM49: A NEW POLYPEPTIDE ANTIBIOTIC ACTIVE AGAINST CELL MEMBRANES. Meyers E, Parker WL, Brown WE, Linnett P, Strominger JL *Ann NY Acad Sci* 235: 493-501, 10 May 74 (Eng)

PEPTIDES, CYCLIC (pharmacodynamics); ANTIBIOTICS (pharmacodynamics, analysis, biosynthesis); CELL MEMBRANE (drug effects); BACILLUS (metabolism); FATTY ACIDS (pharmacodynamics, analysis); AMINO ACIDS (analysis); BACTERIA (drug effects); ESCHERICHIA COLI (drug effects, cytology); YEASTS (drug effects); PSEUDOMONAS AERUGINOSA (drug effects); FUNGI (drug effects); TRICHOMONAS VAGINALIS (drug effects); POLYMYXIN (pharmacodynamics); TIME FACTORS; MICROSCOPY, ELECTRON.

Mhatre RM

MODIFICATION OF SOME OF THE TOXIC EFFECTS OF DAUNOMYCIN (NSC-82,151) BY PRETREATMENT WITH THE ANTINEOPLASTIC AGENT ICRF 159 (NSC-129,943). Herman EH, Mhatre RM, Chadwich DP *Toxicol Appl Pharmacol* 27: 517-26, Mar 74 (Eng)

Michalopoulos E

DEFECTIVE GROWTH HORMONE SECRETION IN PRIMARY MICROCEPHALY. Dacou-Voutetakis C, Karpathios T, Logothetis N, Constantinidis M, Matsaniotis N, Michalopoulos E *J Pediatr* 85: 498-502, Oct 74 (Eng)

Michell RH

EFFECTS OF ACETYLCHOLINE ON INCORPORATION OF ¹⁴C GLUCOSE INTO PHOSPHATIDYLINOSITOL AND ON PHOSPHATIDYLINOSITOL BREAKDOWN IN SUBCELLULAR FRACTIONS FROM CEREBRAL CORTEX. Lapetina EG, Michell RH *J Neurochem* 23: 283-7, Jul 74 (Eng)

Migeon CJ

SHORT STATURE AS THE ONLY CLINICAL SIGN OF CUSHINGS SYNDROME. Lee PA, Weldon VV, Migeon CJ *J Pediatr* 86: 89-91, Jan 75 (Eng)

Migliorini RH

POSSIBLE PARTICIPATION OF INSULIN IN THE CONTROL OF VASCULAR PERMEABILITY. Garcia-Leme J, Bohm GM, Migliorini RH, de Souza MZ *Eur J Pharmacol* 29: 298-306, Dec 74 (Eng)

Mikulski P

[INFLUENCE OF STYRENE ON CARBOHYDRATE BALANCE (AUTHORS TRANSL)] Chmielewski J, Mikulski P *Rocz Pomor Akad Med suppl* 10: 321-4, 1974 (Pol)

Milesis CA

PREDICTION OF SERUM CHOLESTEROL. Milesis CA, Williams BT *Nehr Med J* 59: 245-51, Jul 74 (Eng)

ADULT; MIDDLE AGE; HUMAN; COMPARATIVE STUDY; CHOLESTEROL (blood); CARDIOVASCULAR SYSTEM (physiology); ANTHROPOMETRY; AGE FACTORS; EVALUATION STUDIES; PROBABILITY; PHYSICAL FITNESS; OXYGEN CONSUMPTION.

Milkovic S

INTERACTION OF HUMAN SERUM HIGH DENSITY LIPOPROTEINS WITH TRIGLYCERIDES IN VITRO. Koren E, Maric Z, Milkovic S *FEBS Lett* 44: 43-9, 15 Aug 74 (Eng)

Miller FS

MECHANISMS OF HYPOTHERMIC PROTECTION AGAINST ANOXIA. Miller JA Jr, Miller FS *Adv Exp Med Biol* 33: 571-86, 1972 (Eng)

Miller RE

ANTERIOR HYPOPHYSIAL FUNCTION IN THE POSTERIOR-HYPOPHYSIOTOMIZED RAT: NORMAL REGULATION OF THE ADRENAL SYSTEM. Miller RE, Yuch-Chien H, Wiley MK, Hewitt R *Neuroendocrinology* 14: 233-50, 74 (Eng)
RATS; ANIMAL EXPERIMENTS; MALE; FEMALE; PITUITARY-ADRENAL SYSTEM; PITUITARY GLAND, POSTERIOR (physiology); CORTICOSTERONE (metabolism); ADRENALECTOMY; ORGAN WEIGHT; THYROID GLAND; TESTIS; OVARY; SEMINAL VESICLES; PROSTATE; UTERUS; HISTAMINE (pharmacodynamics); HEMORRHAGE (metabolism); NOISE;

LAPAROTOMY; MOTION; ETHYL ETHERS; CORTICOTROPIN (pharmacodynamics); HEMATOCRIT; LIGHT; WATER-ELECTROLYTE BALANCE; HYPOPHYSECTOMY; SEX FACTORS; STRESS (metabolism).

Miller W

DIABETES MELLITUS: AN UNDERESTIMATED PUBLIC HEALTH PROGRAM. Tokuhata GK, Miller W, Digon E, Hartman T *J Chronic Dis* 28: 23-35, Jan 75 (Eng)

Mills C

AORTIC VELOCITY AND ACCELERATION MEASUREMENTS IN THE ASSESSMENT OF CORONARY HEART DISEASE. Jewitt D, Gabe I, Mills C, Maurer B, Thomas M, Shillingford J *Eur J Cardiol* 1: 299-305, Mar 74 (Eng)

Minami T

[CARBOHYDRATE INFUSION 1: HYPERURICAEMIA CAUSED BY CARBOHYDRATE INFUSION] Yoshikawa K, Kuro M, Oda T, Minami T *Jap J Anesthesiol* 23: 106-14, Feb 74 (Jap)

Minchev M

[NEUROPATHY IN DIABETES MELLITUS] Ilchevski S, Smilenova I, Minchev M *Vutr Boles* 13: 122-5, 1974 (Bul)

Mitarai M

[STUDIES ON TRANSFORMATIONS OF CARBOHYDRATES. II. EPIMERIZATION AND DEGRADATION OF GLUCOSE IN DILUTED STRONG ALKALINE SOLUTION. (I) (AUTHORS TRANSL)] Koizumi K, Hashimoto K, Mitarai M, Sawada C *J Pharm Soc Jap* 94: 232-7, Feb 74 (Jap)

Mitznegg P

EFFECT OF ESTRADIOL ON LIPOLYSIS AND ADENOSINE 3,5-MONOPHOSPHATE ACCUMULATION IN ISOLATED RAT ADIPOCYTES. Mitznegg P, Estler CJ, Schubert E *Biochem Pharmacol* 23: 2337-9, 15 Aug 74 (Eng)
RATS; ANIMAL EXPERIMENTS; FEMALE; IN VITRO; ESTRADIOL (pharmacodynamics); LIPIDS (metabolism); ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ADIPOSE TISSUE (metabolism, cytology, drug effects); TIME FACTORS; FATTY ACIDS, NONESTERIFIED (blood); ETHINYL ESTRADIOL (pharmacodynamics); MICE, INBRED STRAINS; GLYCERIN (metabolism).

Mohr E

INHIBITION OF GLUCAGON SECRETION BY GLUCOSE AND GLYCERALDEHYDE ON ISOLATED ISLETS OF WISTAR RATS. Hahn HJ, Ziegler M, Mohr E *FEBS Lett* 49: 100-2, 1 Dec 74 (Eng)

Moigneteau C

[STUDY OF 50 PURULENT NONTUBERCULOUS PLEURISIES SUBJECTED TO MEDICAL TREATMENT] Moigneteau C, Guillement JM, Almazor M *Poumon Coeur* 30: 115-21, 1974 (Fre)

ADULT; AGE FACTORS; AGED; ANTIBIOTICS (therapeutic use); BRONCHIAL NEOPLASMS (complications); BRONCHITIS (complications); CARCINOMA (complications); DIABETES MELLITUS (complications); ENGLISH ABSTRACT; FEMALE; GASTRECTOMY (adverse effects); HUMAN; LARYNGEAL NEOPLASMS (complications); LIVER CIRRHOSIS (complications); MALE; MIDDLE AGE; PLEURAL EFFUSION (complications); PLEURISY (etiology, diagnosis, therapy); POLYNEURITIS (complications); PROGNOSIS; SEX FACTORS; STOMACH NEOPLASMS (complications).

Molano J

SPECIFIC INACTIVATION OF FRUCTOSE 1,6-BISPHOSPHATASE FROM SACCHAROMYCES CEREVISIAE BY A YEAST PROTEASE. Molano J, Gancedo C *Eur J Biochem* 44: 213-17, 2 May 74 (Eng)

SACCHAROMYCES CEREVISIAE (enzymology); HEXOSEDIPHOSPHATASE (antagonists & inhibitors, analysis, isolation & purification); PEPTIDE HYDROLASES (pharmacodynamics, analysis, isolation & purification, antagonists & inhibitors); HEAT; DIALYSIS; HYDROGEN-ION CONCENTRATION; PRECIPITATION; AMMONIUM SULFATE; PROTEINS (pharmacodynamics); MALATE DEHYDROGENASE (antagonists & inhibitors); DEUTEROMYCETES (enzymology); HEXOKINASE (antagonists & inhibitors); GLUTAMATE DEHYDROGENASE (antagonists & inhibitors); GLUCOSEPHOSPHATE ISOMERASE (antagonists & inhibitors); GLUCOSEPHOSPHATE DEHYDROGENASE (antagonists & inhibitors); CATALASE (antagonists & inhibitors).

Monrozies M

[VALUE OF ANATOMOPATHOLOGICAL EXAMINATION OF THE PLACENTA DURING THE LAST TRIMESTER OF PREGNANCY] Monrozies M, Sarraon MF *Cah Med* 15: 283-7, 15 Jun 74 (Fre)
ERYTHROBLASTOSIS, FETAL; FEMALE; HUMAN; ISCHEMIA (diagnosis); PLACENTA DISORDERS (diagnosis); PLACENTA (blood supply); PREGNANCY IN DIABETES (complications); PREGNANCY; PREGNANCY, THIRD TRIMESTER.

Monto AS

THE TECUMSEH STUDY OF RESPIRATORY ILLNESS. VIII. ACUTE INFECTION IN CHRONIC RESPIRATORY DISEASE AND COMPARISON GROUPS. Monto AS, Higgins MW, Ross HW *Am Rev Respir Dis* 111: 27-36, Jan 75 (Eng)

ACUTE DISEASE; ADOLESCENCE; ADULT; AGE FACTORS; ANTIBODIES (analysis); BRONCHITIS (complications, occurrence); CHILD; CHILD, PRESCHOOL; CHRONIC DISEASE; CORONARY DISEASE (occurrence); DIABETES MELLITUS (occurrence); FEMALE; HUMAN; INFANT; INFANT, NEWBORN; INFLUENZA (occurrence); INFLUENZA, ASIAN (occurrence); MALE; MICHIGAN; MIDDLE AGE; MYCOPLASMA INFECTIONS (occurrence); MYXOVIRUS INFECTIONS (occurrence); POPULATION SURVEILLANCE; RESPIRATORY SYNCYTIAL VIRUS; RESPIRATORY TRACT INFECTIONS (occurrence, familial & genetic); SEX FACTORS; SMOKING; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; VIRUS DISEASES (occurrence, familial & genetic).

Morel F

AN APPRAISAL OF THE FUNCTIONAL SIGNIFICANCE OF THE INHIBITORY EFFECT OF LONG CHAIN ACYL-COAS ON MITOCHONDRIAL TRANSPORTS. Morel F, Lauquin G, Lunardi J, Duszynski J, Vignais PV *FEBS Lett* 39: 133-8, 15 Feb 74 (Eng)
RATS; ANIMAL EXPERIMENTS; COMPARATIVE STUDY; MITOCHONDRIA, LIVER (metabolism, drug effects); COENZYME A (pharmacodynamics); FATTY ACIDS (pharmacodynamics); BIOLOGICAL TRANSPORT; MALATES (metabolism); CITRATES (metabolism); CARBON RADIOISOTOPES; NADP (metabolism); ADENOSINE DIPHOSPHATE (metabolism); NAD (metabolism); PHOSPHORUS RADIOISOTOPES; PHENYLHYDRAZINE (pharmacodynamics); KINETICS; CYANIDES (pharmacodynamics); PALMITIC ACID

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Morgan CR

AN IN VIVO INSULIN EFFECT ON HEPATOCYTE CHROMATIN DETERMINED BY DNA-RNA HYBRIDIZATION. Drake RL, Morgan CR *Biochem Biophys Res Commun* 62: 342-9, 20 Jan 75 (Eng)

Morgan HE

ACCELERATION OF SUGAR TRANSPORT IN AVIAN ERYTHROCYTES BY CATECHOLAMINES. Whitfield CF, Rannels SR, Morgan HE *J Biol Chem* 249: 4181-8, 10 Jul 74 (Eng)

Morozova TP

[INSULIN CONTENT IN THE BLOOD SERUM OF HEALTHY GIRLS AND THE INDICES OF PHYSICAL DEVELOPMENT] Morozova TP, Kolesov DV, Kasatkin IuN, Ametov AS, Smirnova LK *Vopr Okhr Materin Det* 19: 49-51, Oct 74 (Rus)

ADOLESCENCE; AGE FACTORS; BODY WEIGHT; CHILD; ENGLISH ABSTRACT; FEMALE; GROWTH; HUMAN; INSULIN (blood); MOSCOW.

Morris JG

THERMODYNAMICS OF BIOLOGICAL PROCESSES. Morris JG *Br J Anaesth* 46: 210-6, Mar 74 (Eng)

ENERGY METABOLISM; THERMODYNAMICS; METRIC SYSTEM; ENERGY TRANSFER; EQUILIBRIUM; TEMPERATURE; OXIDATION-REDUCTION; OSMOTIC PRESSURE; ADENOSINE TRIPHOSPHATE (metabolism); ADENOSINE DIPHOSPHATE (metabolism); PHOSPHOENOLPYRUVATE (metabolism); OXIDATIVE PHOSPHORYLATION; CALORIMETRY; BACTERIA (metabolism); TISSUE CULTURE.

Mortimer CH

LONG-TERM INFUSION OF GROWTH HORMONE RELEASE INHIBITING HORMONE IN ACROMEGALY: EFFECTS ON PITUITARY AND PANCREATIC HORMONES. Besser GM, Mortimer CH, McNeilly AS, Thorner MO, Batistoni GA, Bloom SR, Kastrop KW, Hanssen KF, Hall R, Coy DH, Kastin AJ, Schally AV *Br Med J* 4: 622-7, 14 Dec 74 (Eng)

Moseley J

DIABETIC CRISES IN CHILDREN TREATED WITH SMALL DOSES OF INTRAMUSCULAR INSULIN. Moseley J *Br Med J* 1: 59-61, 11 Jan 75 (Eng)

ADOLESCENCE; BICARBONATES (therapeutic use); BLOOD SUGAR (analysis); CHILD; CHILD, PRESCHOOL; DIABETIC COMA (drug therapy); ELECTROCARDIOGRAPHY; HUMAN; HYDROGEN-ION CONCENTRATION; HYPERGLYCEMIA; INFANT; INFUSIONS, PARENTERAL; INJECTIONS, INTRAMUSCULAR; INSULIN (therapeutic use, administration & dosage); KETOSIS, DIABETIC (drug therapy); POTASSIUM CHLORIDE (therapeutic use); POTASSIUM; SODIUM CHLORIDE; UREA (blood).

Moses SW

FRUCTOSE METABOLISM IN THE HUMAN RED BLOOD CELL. Moses SW, Bashan N *Isr J Med Sci* 10: 707-11, Jul 74 (Eng)

HUMAN; IN VITRO; ERYTHROCYTES (metabolism); FRUCTOSE (metabolism); GLYCOLYSIS; KINETICS; GLUCONATES

(metabolism); HEXOKINASE (metabolism); GLUCOSE (metabolism); LACTATES (metabolism); PYRUVATES (metabolism); OXYGEN CONSUMPTION.

GLYCOGEN METABOLISM IN GLYCOGEN-RICH ERYTHROCYTES. Moses SW, Bashan N, Gutman A, Ockerman PA *Blood* 44: 275-84, Aug 74 (Eng)

HUMAN; ERYTHROCYTES (metabolism); GLUCOSE (metabolism); CARBON RADIOISOTOPES; METABOLISM, INBORN ERRORS (metabolism); GLUCOSIDASE (metabolism); GLUCOSEPHOSPHATE DEHYDROGENASE (metabolism); BLOOD SUGAR (metabolism); MALTOSE (blood); GLYCOGEN (blood); AMYLASE (metabolism); CHROMATOGRAPHY, PAPER; GLYCOGEN SYNTHETASE (metabolism); MICROSCOPY, ELECTRON.

Moskovich EG

[CHANGES OF GASTRIC MUCOSA IN PATIENTS WITH MILD FORM OF DIABETES MELLITUS] Moskovich EG, Korsakova NA, Pogozheva AV *Probl Endokrinol (Mosk)* 20: 42, Sep-Oct 74 (Rus)

ADULT; CASE REPORT; DIABETES MELLITUS (physiopathology, complications); FEMALE; GASTRIC ACIDITY DETERMINATION; GASTRIC MUCOSA (physiopathology); GASTRITIS (etiology); HUMAN; MALE.

Motil KJ

THE EFFECTS OF FOUR DIFFERENT RADIANT WARMER TEMPERATURE SET-POINTS USED FOR REWARMING NEONATES. Motil KJ, Blackburn MG, Pleasure JR *J Pediatr* 85: 546-50, Oct 74 (Eng)

BODY TEMPERATURE; COMPARATIVE STUDY; HUMAN; HYPOGLYCEMIA (etiology); HYPOTHERMIA (prevention & control, complications); INCUBATORS, INFANT; INFANT, NEWBORN; INFANT, NEWBORN, DISEASES (prevention & control); INFRARED RAYS; RECTUM; SKIN TEMPERATURE; TEMPERATURE; TIME FACTORS.

Muller EE

CENTRAL HYPOTHERMIA BY 2-DEOXY-D-GLUCOSE: ANTAGONISM BY ALPHA-ADRENERGIC ACTIVATION. Muller EE, Cocchi D, Jalkanen H, Udeschini G, Peruzzi G, Mantegazza P *Eur J Pharmacol* 26: 243-55, May 74 (Eng)

RATS; ANIMAL EXPERIMENTS; FEMALE; ADRENERGIC ALPHA RECEPTOR AGONISTS (pharmacodynamics); GLUCOSE (antagonists & inhibitors, pharmacodynamics); BODY TEMPERATURE (drug effects); DEPRESSION, CHEMICAL; BRAIN CHEMISTRY (drug effects); HYPOTHALAMUS (metabolism); NOREPINEPHRINE (metabolism); DOPAMINE (metabolism); SEROTONIN (metabolism, pharmacodynamics); FLUOROMETRY; ADRENAL GLANDS (physiology); DEXTRO AMPHETAMINE (pharmacodynamics); CLONIDINE (pharmacodynamics); PIMOZIDE (pharmacodynamics); TIME FACTORS; METHYLTYROSINES (pharmacodynamics); PHENTOLAMINE (pharmacodynamics); PIPERAZINES (pharmacodynamics); TRYPTAMINES (pharmacodynamics); IMIDAZOLES (pharmacodynamics); ATROPINE (pharmacodynamics).

Muller G

[QUANTITATION OF DIABETIC DISTURBANCES OF PLACENTAL MATURATION (AUTHORS TRANSL)] Emmrich P, Godel E, Muller G *Pathol Microbiol (Basel)* 41: 253-65, 1974 (Ger)

Muller M

ON THE FORMATION OF ACETYL-COA FROM GLUTAMINE AND THE MUTUAL INTER-

CONVERSION BETWEEN OXALOACETATE AND PYRUVATE IN RABBIT RETICULOCYTES. Muller M, Thamm R, Rapoport S *FEBS Lett* 42: 279-81, 15 Jun 74 (Eng)

RABBITS; ANIMAL EXPERIMENTS; COMPARATIVE STUDY; COENZYME A (biosynthesis); GLUTAMINE (blood, metabolism); OXALOACETATES (blood, metabolism); PYRUVATES (blood, metabolism); RETICULOCYTES (metabolism); ACETYL COENZYME A (blood, biosynthesis); CHROMATOGRAPHY, THIN LAYER; CHROMATOGRAPHY, ION EXCHANGE; CARBON RADIOISOTOPES; AUTOANALYSIS; OXYGEN CONSUMPTION; ASPARTIC ACID (blood).

Munck A

IS CORTISOL METABOLIZED AS IT DIS-SOCIATES FROM GLUCOCORTICOID RECEPTORS IN THYMUS CELLS Munck A, Brinck-Johnsen T *J Steroid Biochem* 5: 203-5, May 74 (Eng)

RATS; ANIMAL EXPERIMENTS; COMPARATIVE STUDY; HYDROCORTISONE (metabolism); RECEPTORS, HORMONE; THYMUS GLAND (metabolism, cytology); GLUCOCORTICOIDS (metabolism); PROTEIN BINDING; BINDING SITES; TRITIUM; KINETICS; CELL NUCLEUS (metabolism); ADRENALECTOMY; ADRENAL GLANDS (physiology); ISOTOPE LABELING; CHROMATOGRAPHY, THIN LAYER; TIME FACTORS.

Munro JR

GLYCOSYLTRANSFERASES IN CANINE RESPIRATORY TISSUE. ALTERATIONS IN AN EXPERIMENTALLY INDUCED HYPERSECRETORY STATE. Baker AP, Chakrin LW, Sawyer JL, Munro JR, Hillegass LM, Giannone E *Biochem Med* 10: 387-99, Aug 74 (Eng)

Munzenmeier R

[THE HEMANGIOPERICYTOMA OF THE KIDNEY (AUTHORS TRANSL)] Ludwig G, Nuri M, Peters HJ, Munzenmeier R *Urologia [A]* 13: 284-8, Nov 74 (Ger)

Muraishi K

[HYPERACTIVITY OF THE BETA-RECEPTER IN CHILDREN--WITH SPECIAL REFERENCE TO PERIODIC VOMITING (SO-CALLED AUTOINTOXICATION) AND ORTHOSTATIC DYSREGULATION] Furusho K, Muraishi K, Sato K, Noda C *Jpn J Clin Med* 32: 2907-18, Sep 74 (Jpn)

Murray IP

THE EFFECT OF EPINEPHRINE ON THYROID HORMONE SYNTHESIS IN THE RAT. Joasoo A, Murray IP *Acta Endocrinol (Kbh)* 77: 43-52, Sep 74 (Eng)

Mwehia N

EFFECTS OF SYNTHALIN ON MITOCHONDRIAL FUNCTIONS. Maina G, Mwehia N *Biochem Pharmacol* 24: 529-33, 15 Feb 75 (Eng)

Naito K

ACTIVATION OF HEXOSE MONOPHOSPHATE PATHWAY IN BRAIN BY ELECTRICAL STIMULATION IN VITRO. Kimura H, Naito K, Nakagawa K, Kuriyama K *J Neurochem* 23: 79-84, Jul 74 (Eng)

Nakagawa K

ACTIVATION OF HEXOSE MONOPHOSPHATE PATHWAY IN BRAIN BY ELECTRICAL STIMULATION IN VITRO. Kimura H, Naito K, Nakagawa K, Kuriyama K *J Neurochem* 23: 79-84, Jul 74 (Eng)

Nakamura S

A ROLE OF THE CARBOHYDRATE MOIETY OF GLUCOSE OXIDASE: KINETIC EVIDENCE FOR PROTECTION OF THE ENZYME FROM THERMAL INACTIVATION IN THE PRESENCE OF SODIUM DODECYL SULFATE. Nakamura S, Hayashi S *FEBS Lett* 41: 327-30, 1 May 74 (Eng)

COMPARATIVE STUDY: GLUCOSE OXIDASE (metabolism); GLUCOSE (analysis); SODIUM DODECYL SULFATE (pharmacodynamics); PROTEIN DENATURATION; DRUG STABILITY; HEAT; PROTEIN BINDING; BINDING SITES; ASPERGILLUS (enzymology); FAD; SPECTROPHOTOMETRY; ULTRAVIOLET; CHROMATOGRAPHY; GAS; THERMODYNAMICS; PERIODIC ACIDS; CALORIMETRY; OXIDATION-REDUCTION; PROTEIN CONFORMATION; KINETICS; ALLOSTERIC REGULATION; CIRCULAR DICHROISM; TIME FACTORS.

Nakamura Y

[CHANGES IN CARBOHYDRATE TOLERANCE DURING SURGERY - WITH SPECIAL REFERENCE TO COMPARISON BETWEEN GLUCOSE AND MALTOSE] Aono K, Harano K, Hirokata Y, Nakamura Y *Jpn J Anesthesiol* 23: 797-805, Sep 74 (Jpn)

Nakanishi S

REGULATORY MECHANISMS FOR LIVER ACETYL COENZYME A CARBOXYLASE. Numa S, Hashimoto T, Nakanishi S, Okazaki T *Biochem Soc Symp* 27-39, 1972 (Eng)

Nanda R

TERATOGENIC EFFECTS OF ENVIRONMENTAL AGENTS ON EMBRYONIC DEVELOPMENT. Nanda R *Dent Clin North Am* 19: 181-9, Jan 75 (Eng)

ABNORMALITIES, DRUG-INDUCED; ADRENAL CORTIX HORMONES (pharmacodynamics); ANTIBIOTICS (pharmacodynamics); ANTICONVULSANTS (pharmacodynamics); ANTIDEPRESSIVE AGENTS (pharmacodynamics); ASPIRIN (pharmacodynamics); EMBRYO (physiology, radiation effects); FEMALE; HOMEOSTASIS; HORMONES, SYNTHETIC (pharmacodynamics); HUMAN; HYPNOTICS AND SEDATIVES (pharmacodynamics); PREGNANCY IN DIABETES (complications); PREGNANCY COMPLICATIONS, INFECTIOUS; PREGNANCY; PREGNANCY, FIRST TRIMESTER; RADIATION EFFECTS; RADIATION; RUBELLA (complications); TERATOGENS (pharmacodynamics); TRANQUILIZING AGENTS (pharmacodynamics).

Nekrasova LV

[RESULTS OF THE STUDY OF SOMATOTROPIC FUNCTION OF THE HYPOPHYSIS WITH THE AID OF INSULIN TOLERANCE TEST IN PATIENTS WITH HYPOGONADISM] Nekrasova LV, Sokolov IaA, Marova EI *Probl Endokrinol (Mosk)* 20: 31-6, Sep-Oct 74 (Rus)

ADOLESCENCE; ADULT; BLOOD SUGAR (analysis); ENGLISH ABSTRACT; HUMAN; HYPOGONADISM (physiopathology, blood); INSULIN (diagnostic use); MALE; PITUITARY GLAND FUNCTION TESTS; PITUITARY GLAND (physiopathology, secretion); SOMATOTROPIN (secretion, blood).

Nelson AR

THE SURGICAL TREATMENT OF PULMONARY COCCIDIOIDOMYCOSIS. Nelson AR *Curr Probl Surg* 00: 1-48, Oct 74 (Eng) [135]

ADULT; AMPHOTERICIN B (therapeutic use); COCCIDIOIDOMYCOSIS (surgery, transmission, pathology); DIABETES MELLITUS (complications); FEMALE; HUMAN; LUNG DISEASES, FUNGAL (surgery, transmission,

pathology); MALE; METHODS; MIDDLE AGE; RECURRENCE; REVIEW.

Nelson JH

BLOOD CHARACTERISTICS OF THE HOLSTEIN CALF RELEVANT IN CARDIOPULMONARY STUDIES. Nelson JH, Ekins DS, Allen SD *J Appl Physiol* 37: 145-51, Aug 74 (Eng)

ANIMAL EXPERIMENTS; MALE; CATTLE (physiology); BLOOD; OXYGEN (blood); HEMOGLOBIN; BLOOD COAGULATION; BLOOD VOLUME; HYDROGEN-ION CONCENTRATION; HEMOGLOBINOMETRY; HEMATOCRIT; BLOOD CELL COUNT; CARBON DIOXIDE (blood); BLOOD SUGAR; BLOOD PROTEINS; CALCIUM (blood); POTASSIUM (blood); CHLORIDES (blood).

Nemeth S

METABOLIC, HORMONAL AND ENZYMATIC FUNCTIONS OF RATS DURING RECOVERY FROM INJURY. Nemeth S, Vigas M, Strakova A *Adv Exp Med Biol* 33: 423-7, 1972 (Eng)

RATS; ANIMAL EXPERIMENTS; MALE; WOUNDS AND INJURIES (metabolism, enzymology); BLOOD SUGAR (metabolism); TIME FACTORS; LACTATES (metabolism); PYRUVATES (metabolism); CARBON RADIOISOTOPES; TYROSINE (metabolism); PALMITIC ACID (metabolism); LIVER GLYCOGEN (metabolism); TYROSINE AMINOTRANSFERASE (metabolism); ADRENALECTOMY; DACTINOMYCIN (pharmacodynamics).

POSTTRAUMATIC REGULATION OF INSULIN SECRETION IN ADAPTED RATS. Vigas M, Nemeth S, Jurcovicova J *Physiol Bohemoslov* 23: 245-9, 1974 (Eng)

Nemoz G

[MUTANTS FOR THE HEXURONATE TRANSPORT SYSTEM IN ESCHERICHIA COLI K 12: PHYSIOLOGICAL AND GENETIC ANALYSIS] Nemoz G, Robert-Baudouy J, Stoeber F *C R Acad Sci [D] (Paris)* 278: 675-8, 28 Jan 74 (Fre)

ESCHERICHIA COLI (enzymology, cytology); MUTATION; URONIC ACIDS (metabolism); HEXOSES (metabolism); CARBOHYDRATE ISOMERASES (metabolism); ALCOHOL OXIDOREDUCTASES (metabolism); ENZYME INDUCTION; CHROMOSOMES, BACTERIAL; CHROMOSOME MAPPING; LINKAGE (GENETICS); HYDRO-LYASES (metabolism).

Nery JW

[ASPECTS OF AEROBIC RESPIRATION IN THE HEART AND AORTIC WALL IN THE EXPERIMENTAL RABBIT ATHEROSCLEROSIS (AUTHORS TRANSL)] Pinto G, Erlon L, Rodrigues A, Nery JW, Machado AE *Rev Bras Pesqui Med Biol* 7: 133-8, Mar-Apr 74 (Por)

New MI

LETTER: GROWTH WITH ABSENT GROWTH HORMONE BY RADIOIMMUNOASSAY. Saenger P, Levine LS, Wiedemann E, Schwartz E, New MI *J Pediatr* 85: 137-8, Jul 74 (Eng)

Nielsen JH

THE INFLUENCE OF BODY WEIGHT AND CELL SIZE ON LIPOGENESIS AND LIPOLYSIS OF ISOLATED RAT FAT CELLS. Hansen FM, Nielsen JH, Gliemann J *Eur J Clin Invest* 4: 411-8, 5 Dec 74 (Eng)

Nies AS

HEMODYNAMIC DRUG INTERACTIONS. Nies AS, Shand DG, Branch RA *Cardiovasc Clin* 6: 43-53, 1974 (Eng) [13]

ANIMAL EXPERIMENTS; ANTIPYRINE (blood); DOGS; DOPAMINE (pharmacodynamics); DRUG INTERACTIONS; DRUGS (metabolism); ENZYME INDUCTION; GLUCAGON (pharmacodynamics); HALF-LIFE;

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Nikolskii NN

[MECHANISM OF ACTION OF OUABAIN ON CARBOHYDRATE TRANSPORT IN FROG SKELETAL MUSCLES] Nikolskii NN, Skopicheva VI, Troshin AS *Dokl Akad Nauk SSSR* 219: 1231-4, 1974 (Rus)

ANIMAL EXPERIMENTS; BIOLOGICAL TRANSPORT (drug effects); DINITROPHENOLS (pharmacodynamics); FROGS; IN VITRO; INSULIN (pharmacodynamics); MUSCLES (metabolism, drug effects); OUABAIN (pharmacodynamics); POTASSIUM (pharmacodynamics); SODIUM (physiology); STIMULATION, CHEMICAL; XYLOSE (metabolism).

Nilsson LH

NORMAL CARBOHYDRATE METABOLISM AND CARBOHYDRATE METABOLISM IN TRAUMA. Hultman E, Bergstrom J, Nilsson LH *Acta Anaesthesiol Scand [Suppl]* 28-49, 1974 (Eng)

Nishida S

EFFECTS OF SURGICAL TREATMENT ON HYPOTHALAMO-PITUITARY-ADRENOCORTICAL FUNCTIONS IN PITUITARY CHROMOPHOBE ADENOMA AND CRANIOPHARYNGIOMA. Nishida S, Ando S, Kitamura K, Tomonaga M *Endocrinol Exp (Bratisl)* 8: 269-79, Dec 74 (Eng)

ADENOMA, CHROMOPHOBE (surgery, urine); ADOLESCENCE; ADULT; CIRCADIAN RHYTHM; CRANIOPHARYNGIOMA (surgery, urine); FEEDBACK; FEMALE; HUMAN; HYPOTHALAMO-HYPOPHYSAL SYSTEM (physiology); INSULIN (diagnostic use); MALE; MIDDLE AGE; PITUITARY NEOPLASMS (surgery, urine); PITUITARY-ADRENAL FUNCTION TESTS; PITUITARY-ADRENAL SYSTEM (physiology); TIME FACTORS; 11-HYDROXYCORTICOSTEROIDS (blood); 17-HYDROXYCORTICOSTEROIDS (urine).

Nishikawa T

COMPARISON OF PHARMACOLOGICAL RESPONSES TO NICOTINE AND RELEASE OF CATECHOLAMINES FROM THE ADRENALS IN DOGS AND MONKEYS. Tsujimoto A, Nishikawa T, Doi T, Kojima S *Eur J Pharmacol* 26: 236-42, May 74 (Eng)

Nitzan M

CARBOHYDRATE METABOLISM IN PREGNANCY. XII. THE EFFECT OF ORAL GLUCOSE ON PLASMA CONCENTRATIONS OF HUMAN PLACENTAL LACTOGEN AND CHORIONIC GONADOTROPIN DURING LATE PREGNANCY IN NORMAL SUBJECTS AND GESTATIONAL DIABETICS. Surmaczynska BZ, Nitzan M, Metzger BE, Freinkel N *Isr J Med Sci* 10: 1481-6, Dec 74 (Eng)

Niven DF

MECHANISMS OF ENERGY COUPLING TO THE TRANSPORT OF AMINO ACIDS BY STAPHYLOCOCCUS AUREUS. Niven DF, Hamilton WA *Eur J Biochem* 44: 517-22, 15 May 74 (Eng)

STAPHYLOCOCCUS (metabolism, drug effects); AMINO ACIDS (metabolism); BIOLOGICAL TRANSPORT, ACTIVE; ENERGY METABOLISM; CELL MEMBRANE (metabolism); HYDROGEN-ION CONCENTRATION; VALINOMYCIN (pharmacodynamics); POTASSIUM

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Noda C

[HYPERACTIVITY OF THE BETA-RECEPTOR IN CHILDREN—WITH SPECIAL REFERENCE TO PERIODIC VOMITING (SO-CALLED AUTOTOXICATION) AND ORTHOSTATIC DYSREGULATION] Furusho K, Muraishi K, Sato K, Noda C *Jpn J Clin Med* 32: 2907-18, Sep 74 (Jpn)

Noguchi Y

NITROBLUE TETRAZOLIUM (NBT)-DYE TEST AND THE MYELOPEROXIDASE REACTION OF HUMAN LEUKOCYTES. Okuda K, Tadokoro I, Noguchi Y *Jpn J Microbiol* 18: 337-42, Sep 74 (Eng)

Normann TC

SECRETION OF HYPERGLYCAEMIC HORMONE FROM THE CORPUS CARDIACUM OF FLYING BLOWFLIES, CALLIPHORA ERYTHROCEPHALA. Vejbjerg K, Normann TC *J Insect Physiol* 20: 1189-92, Jul 74 (Eng)

Notelovitz M

METABOLIC EFFECT OF CONJUGATED OESTROGENS (USP) ON GLUCOSE TOLERANCE. Notelovitz M *S Afr Med J* 48: 2599-603, 21 Dec 74 (Eng)

ADULT; AGED; BLOOD SUGAR (analysis); DEPRESSION, CHEMICAL; DIABETES MELLITUS (metabolism, blood); ESTROGENIC SUBSTANCES, CONJUGATED (pharmacodynamics); FASTING; FEMALE; GLUCOSE TOLERANCE TEST; GLUCOSE (metabolism); HUMAN; MENOPAUSE; MIDDLE AGE; PREMARIN (pharmacodynamics, adverse effects); TIME FACTORS.

Nousiainen R

SERUM GROWTH HORMONE (GH) AND INSULIN (IRI) AFTER ORAL GLUCOSE IN SUBJECTS WITH RENAL FAILURE. Viljanen MK, Nousiainen R, Kasanen A, Frossstrom J *Ann Clin Res* 6: 266-71, Oct 74 (Eng)

Novikova NP

[LEUCINE-C14 INCORPORATION INTO RAT SOMATOTROPIC HORMONE DEPENDING ON THE LEVEL OF THYROID HORMONES IN THE BODY] Martynenko FP, Rozhko OT, Novikova NP *Probl Endokrinol (Mosk)* 20: 107-10, Jan-Feb 74 (Rus)

Numa S

REGULATION OF FATTY-ACID SYNTHESIS IN HIGHER ANIMALS. Numa S *Ergeb Physiol* 69: 54-96, 1974 (Eng) [229]

REVIEW; ANIMAL EXPERIMENTS; HUMAN; FATTY ACIDS (biosynthesis); ACETYL COENZYME A (metabolism); MITOCHONDRIA (metabolism); CYTOPLASM (metabolism); KETOACID-LYASES (metabolism); BIOLOGICAL TRANSPORT; CITRATES (metabolism); ACETYL COA CARBOXYLASE (physiology, metabolism); LIVER NEOPLASMS (metabolism); HEPATOMA (metabolism); ALLOSTERIC REGULATION; DIET; CATALYSIS; KINETICS; ANTILIPEMIC AGENTS (pharmacodynamics); ENZYME ACTIVATION; APOPROTEINS (metabolism); FATTY ACID SYNTHETASE COMPLEX (physiology); NADP (biosynthesis).

REGULATORY MECHANISMS FOR LIVER ACETYL COENZYME A CARBOXYLASE. Numa S, Hashimoto T, Nakanishi S, Okazaki T *Biochem Soc Symp* 27-39, 1972 (Eng)

ACETYL COA CARBOXYLASE (metabolism); ALLOXAN DIABETES (enzymology); ANIMAL

EXPERIMENTS; BICARBONATES

(pharmacodynamics); FASTING; KINETICS; KYNURENIC ACID (pharmacodynamics); LIGASES (metabolism); LIVER (enzymology, drug effects); MICE; OBESITY (enzymology); RATS.

Nunn R

CHANGES IN GLUCOSE TOLERANCE, INSULIN, SERUM LIPIDS AND LIPOPROTEINS IN PATIENTS WITH RENAL FAILURE ON INTERMITTENT HAEMODIALYSIS. Arora KK, Atkinson MK, Trafford JA, Sheldon J, Nunn R *Postgrad Med J* 49: 293-6, May 73 (Eng)

Nuri M

[THE HEMANGIOEPERICYTOMA OF THE KIDNEY (AUTHORS TRANSL)] Ludwig G, Nuri M, Peters HJ, Munzenmeier R *Urologe [A]* 13: 284-8, Nov 74 (Ger)

Nurmio P

A STUDY OF THE EFFECTS OF NICOTINIC ACID IN CATTLE, WITH SPECIAL REFERENCE TO KETOSIS THERAPY. Nurmio P, Roine K, Juoksilahti T, Loman A *Nord Vet Med* 26: 370-81, Jun 74 (Eng)

CATTLE; ANIMAL EXPERIMENTS; FEMALE; ACIDOSIS (veterinary, drug therapy, blood); CATTLE DISEASES (drug therapy, blood); NICOTINIC ACID (therapeutic use, administration & dosage); BLOOD SUGAR (metabolism); ACETOACETATES (blood); FATTY ACIDS, NONESTERIFIED (blood); STIMULATION, CHEMICAL; HYDROXYBUTYRATES (blood); KETONES (blood); DEPRESSION, CHEMICAL; TIME FACTORS; EVALUATION STUDIES; TRIGLYCERIDES (blood); CHOLESTEROL (blood); DAIRYING.

Nykodym P

[DIABETICS FROM A MEDICAL INSTITUTION AND A REGIONAL COLLECTIVE FROM THE VIEW POINT OF PATIENT PARTICIPATION IN THE THERAPEUTIC REGIMEN] Dub O, Brozek I, Nykodym P, Kreze A *Cas Lek Cesk* 113: 1389-93, 7 Nov 74 (Cze)

Ockerman PA

GLYCOGEN METABOLISM IN GLYCOGEN-RICH ERYTHROCYTES. Moses SW, Bashan N, Gutman A, Ockerman PA *Blood* 44: 275-84, Aug 74 (Eng)

OConnell EL

DETERMINATION OF THE RATE OF HEXOKINASE-GLUCOSE DISSOCIATION BY THE ISOTOPE-TRAPPING METHOD. Rose IA, OConnell EL, Litwin S *J Biol Chem* 249: 5163-8, 25 Aug 74 (Eng)

Oda T

[CARBOHYDRATE INFUSION I: HYPERURICAEMIA CAUSED BY CARBOHYDRATE INFUSION] Yoshikawa K, Kuro M, Oda T, Minami T *Jap J Anesthesiol* 23: 106-14, Feb 74 (Jap)

Odell WD

PHYSIOLOGICAL CONTROL OF GROWTH HORMONE IN THE RABBIT. McIntyre HB, Odell WD *Neuroendocrinology* 16: 8-21, 1974 (Eng)

Oerlemans A

POLYENE ANTIBIOTIC-STEROL INTERACTIONS IN MEMBRANES OF ACHOLEPLASMA LAIDLAWII CELLS AND LECITHIN LIPOSOMES. I. SPECIFICITY OF THE MEMBRANE PERMEABILITY CHANGES INDUCED BY THE POLYENE ANTIBIOTICS. Kruijff B de, Gerritsen WJ, Oerlemans A, Demel RA, Deenen LL van *Biochim Biophys Acta* 339: 30-43, 26 Feb 74 (Eng)

POLYENE ANTIBIOTIC-STEROL INTERACTIONS IN MEMBRANES OF ACHOLEPLASMA LAIDLAWII CELLS AND LECITHIN LIPOSOMES. II. TEMPERATURE DEPENDENCE OF THE POLYENE ANTIBIOTIC-STEROL COMPLEX FORMATION. Kruijff B de, Gerritsen WJ, Oerlemans A, Dijk PW van, Demel RA, Deenen LL van *Biochim Biophys Acta* 339: 44-56, 26 Feb 74 (Eng)

Oganov RG

[CAUSES AND EFFECTS OF HYPERACTIVITY OF THE SYMPATHICO-ADRENAL SYSTEM IN ACUTE MYOCARDIAL INFARCT] Oganov RG, Vinogradova IV, Aleksandrov AA *Kardiologia* 14: 140-50, Oct 74 (Rus) [146]

ACUTE DISEASE; ADRENAL GLANDS (physiopathology); ARRHYTHMIA (etiology); BLOOD SUGAR (analysis); CORONARY CIRCULATION; EPINEPHRINE (blood, urine); FATTY ACIDS, NONESTERIFIED (blood); HEART (physiopathology); HUMAN; HYPERGLYCEMIA (etiology); INSULIN (secretion); ISCHEMIA (complications, etiology); MYOCARDIAL INFARCT (physiopathology, urine, etiology, blood); NECROSIS (etiology); NOREPINEPHRINE (blood, urine); OXYGEN CONSUMPTION; PLATELET AGGREGATION; REVIEW; SYMPATHETIC NERVOUS SYSTEM (physiopathology); THROMBOSIS (etiology).

Ogin G

MYELINATED FIBRES IN HUMAN PARAVERTEBRAL SYMPATHETIC CHAIN: WHITE RAMI COMMUNICANTES IN ALCOHOLIC AND DIABETIC PATIENTS. Appenzeller O, Ogin G *J Neurol Neurosurg Psychiatry* 37: 1155-61, Oct 74 (Eng)

Oh W

INSULIN-GLUCAGON SUBSTRATE INTERRELATIONS IN THE FETAL SHEEP. Fiser RH Jr, Erenberg A, Sperling MA, Oh W, Fisher DA *Pediatr Res* 8: 951-5, Dec 74 (Eng)

Ohneda A

EFFECT OF INTRAPANCREATIC ADMINISTRATION OF CALCIUM UPON GLUCAGON SECRETION IN DOGS. Ohneda A, Matsuda K, Horigome K, Ishii S, Yamagata S *Tohoku J Exp Med* 113: 301-11, Aug 74 (Eng)

ANIMAL EXPERIMENTS; ARGININE (pharmacodynamics); BLOOD SUGAR (analysis); CALCIUM CHLORIDE (pharmacodynamics); CALCIUM (pharmacodynamics, blood, administration & dosage); DOGS; GLUCAGON (secretion, blood); INFUSIONS, PARENTERAL; INSULIN (blood); METHODS; PANCREAS (secretion, blood supply).

Okamoto O

ROLE OF BRAIN NORADRENALINE IN THE REGULATION OF PITUITARY-ADRENOCORTICAL FUNCTIONS. Kumeda H, Uchimura H, Kawabata T, Maeda Y, Okamoto O *J Endocrinol* 62: 161-2, Jul 74 (Eng)

Okamoto S

CEREBRAL METABOLIC EFFECTS OF GLYCEROL INFUSION IN DIABETICS WITH STROKE. Meyer JS, Shimazu K, Ouchi T, Okamoto S, Koto A, Fukuchi Y, Ericsson AD *J Neurol Sci* 21: 1-22, Jan 74 (Eng)

Okano T

[EFFECTS OF PHOTOCOAGULATION ON THE VELOCITY OF RETINAL CIRCULATION IN DIABETIC RETINOPATHY (AUTHORS TRANSL)] Okano T, Horiuchi T, Saruya S, Sukagawa Y *Acta Soc Ophthalmol Jpn* 78: 926-38, 10 Sep 74 (Jpn)

ADULT; AGED; BLOOD FLOW VELOCITY; DIABETIC RETINOPATHY (surgery, physiopathology); ENGLISH ABSTRACT; FEMALE; HUMAN; LIGHT COAGULATION;

MALE; MIDDLE AGE; RETINAL VESSELS (physiopathology).

Okazaki T

REGULATORY MECHANISMS FOR LIVER ACETYL COENZYME A CARBOXYLASE. Numa S, Hashimoto T, Nakanishi S, Okazaki T *Biochem Soc Symp* 27-39, 1972 (Eng)

Okeanova TA

[CLINICAL EVALUATION OF THE ECG CHANGES IN DIABETES MELLITUS] Slavina LS, Mazovetskii AG, Okeanova TA *Probl Endokrinol (Mosk)* 20: 13-6, Sep-Oct 74 (Rus)

Okel RM

LETTERS TO THE EDITOR: SERUM INSULIN AND GROWTH HORMONE AFTER KWASHIORKOR. Kajubi SK, Okel RM *Am J Clin Nutr* 27: 1200-1, Nov 74 (Eng)

Oker C

[A CASE OF DISTURBANCE OF GLUCOSE METABOLISM REGULATION IN THE COURSE OF A BRUCELLA INFECTION] Bagriaciak N, Oker C, Biyal F *Turk Tip Cemiy Mecm* 35: 136-44, 1969 (Tur)

Okoye S

[HYPOFIBRINOLYSIS IN ACUTE MYOCARDIAL INFARCTION (AUTHORS TRANSL.)] Bruhn HD, Jipp P, Okoye S, Oltmann A *Med Klin* 69: 1951-5, 22 Nov 74 (Ger)

Okuda K

NITROBLUE TETRAZOLIUM (NBT)-DYE TEST AND THE MYELOPEROXIDASE REACTION OF HUMAN LEUKOCYTES. Okuda K, Tadokoro I, Noguchi Y *Jpn J Microbiol* 18: 337-42, Sep 74 (Eng)

ADRENAL CORTEX HORMONES (therapeutic use); ADULT; AGE FACTORS; CANDIDA ALBICANS (immunology); CHILD, PRESCHOOL; COBALT RADIOISOTOPES (therapeutic use); COMPARATIVE STUDY; DIABETES MELLITUS (blood); FEMALE; HUMAN; INFANT; INFANT, NEWBORN; LATEX PARTICLES; LEUKEMIA, MYELOBLASTIC (blood); LEUKEMIA, MYELOCYTIC (blood); LEUKOCYTES (enzymology, immunology); MALE; MIDDLE AGE; MONILIASIS (blood); NEOPLASMS (blood); NEUTROPHILS (enzymology, immunology); OXIDATION-REDUCTION; PEROXIDASES (metabolism); PHAGOCYTOSIS; STAINS AND STAINING; STAPHYLOCOCCUS (immunology); TETRAZOLIUM SALTS (metabolism, diagnostic use); TUBERCULOSIS, PULMONARY (blood).

Oliver IT

THE DEVELOPMENT OF PHOSPHOPYRUVATE CARBOXYLASE AND GLUCONEOGENESIS IN NEONATAL RATS. Pearce PH, Buirchell BJ, Weaver PK, Oliver IT *Biol Neonate* 24: 320-9, 1974 (Eng)

Oltmann A

[HYPOFIBRINOLYSIS IN ACUTE MYOCARDIAL INFARCTION (AUTHORS TRANSL.)] Bruhn HD, Jipp P, Okoye S, Oltmann A *Med Klin* 69: 1951-5, 22 Nov 74 (Ger)

Oneda A

EFFECT OF CLOFIBRATE ADMINISTRATION ON PLASMA POST-HEPARIN LIPOLYTIC ACTIVITY IN MAN. Maruhama Y, Yanbe A, Abe R, Oneda A, Yamagata S *Tohoku J Exp Med* 113: 43-9, Aug 74 (Eng)

Opie LH

MYOCARDIAL ENERGY METABOLISM. Opie LH *Adv Cardiol* 12: 70-83, 1974 (Eng)

DOGS; RATS; ANIMAL EXPERIMENTS; MYOCARDIUM (metabolism); ENERGY

METABOLISM; OXYGEN CONSUMPTION; GLUCOSE (metabolism); GLYCOLYSIS; KREBS CYCLE; KETONE BODIES (metabolism); PERFUSION; EXTRACELLULAR SPACE (metabolism); MITOCHONDRIA; MUSCLE (metabolism); NAD (metabolism); ISCHEMIA; CORONARY VESSELS; PYRUVATES (metabolism); LACTATES (metabolism); ACETIC ACIDS (metabolism); LIPIDS (metabolism); HYDROXYBUTYRATES (metabolism); TIME FACTORS.

Orci L

ENZYME-INDUCED MODIFICATIONS OF BETA CELL FUNCTION. I. EFFECT OF PRONASE ON INSULIN SECRETION. Lambert AE, Henquin JC, Orci L, Renold AE *Eur J Clin Invest* 4: 459-68, 5 Dec 74 (Eng)

PROCEEDINGS: THE FREEZE-ETCHING APPROACH TO THE STUDY OF ISLET PATHOPHYSIOLOGY IN DIABETES. Orci L *J Clin Pathol* 27: 928, Nov 74 (Eng)

ANIMAL EXPERIMENTS; CELL MEMBRANE (ultrastructure); DIABETES MELLITUS (pathology); FREEZE ETCHING; HAMSTERS; ISLANDS OF LANGERHANS (pathology, ultrastructure); KETOSIS, DIABETIC (pathology); MICROSCOPY, ELECTRON.

Orrego F

PROCEEDINGS: GLYCINE RECEPTORS IN THE CEREBRAL CORTEX ARE PROBABLY TRANSPORT RECEPTORS. Orrego F, Valdes F *Acta Physiol Lat Am* 23: 623-5, 1973 (Eng)

ANIMAL EXPERIMENTS; CEREBRAL CORTEX (physiology, metabolism); GLYCINE (metabolism); RECEPTORS, NEURAL (physiology); SYNAPTIC RECEPTORS (physiology).

Orsetti A

[COMPARATIVE STUDY OF 2 METHODS OF PLASMA INSULIN RADIOIMMUNOASSAY. DOUBLE ANTIBODY AND SOLID PHASE METHODS] Orsetti A, Collard F *Pathol Biol (Paris)* 22: 771-3, Nov 74 (Fre)

ARGININE (diagnostic use); COMPARATIVE STUDY; ENGLISH ABSTRACT; FEMALE; GLUCOSE TOLERANCE TEST; HUMAN; INSULIN (blood); MALE; RADIOIMMUNOASSAY (methods); STATISTICS; TIME FACTORS.

Ortiz Vazquez J

[HEPATIC CIRRHOSIS (NON HEMOCHROMATOSIC). DIABETES MELLITUS. II. INCIDENCE OF CHEMICAL DIABETES IN A GROUP OF 106 CIRRHOTIC PATIENTS] Cerdan Valles A, Martin Zurro A, Camunez Benjumea F, Ortiz Vazquez J *Rev Clin Exp* 134: 355-62, 31 Aug 74 (Spa)

Ostergard DR

ESTRIOL IN PREGNANCY. Ostergard DR *Obstet Gynecol Surv* 28: 215-31, Apr 73 (Eng) [201]

AMNIOTIC FLUID (metabolism); CALIFORNIA; ERYTHROBLASTOSIS, FETAL (occurrence); ESTRIOL (metabolism, urine, blood); FEMALE; FETAL DEATH (occurrence); FETUS (metabolism); HUMAN; HYPERTENSION (metabolism); PLACENTA (metabolism); PREGNANCY IN DIABETES (metabolism); PREGNANCY COMPLICATIONS; CARDIOVASCULAR (metabolism); PREGNANCY COMPLICATIONS, HEMATOLOGIC (metabolism); PREGNANCY TOXEMIAS (metabolism); PREGNANCY; REVIEW; RH FACTORS.

OSullivan DJ

STUDIES OF GLUCOSE TOLERANCE, INSULIN AND GROWTH HORMONE SECRETION DURING THE MENSTRUAL CYCLE IN HEALTHY WOMEN. Walsh CH, OSullivan DJ *Ir J Med Sci* 144: 18-24, Jan 75 (Eng)

OSullivan WJ

BINDING OF MNADP-TO-PHOSPHOGLYCERATE KINASE. Chapman BE, OSullivan WJ, Scopes RK, Reed GH *FEBS Lett* 41: 189-91, 1 May 74 (Eng)

Ott EO

REDISTRIBUTION OF REGIONAL CEREBRAL BLOOD FLOW AFTER GLYCEROL INFUSION IN ACUTE CEREBRAL INFARCTION. Ott EO, Mathew NT, Meyer JS *Neurology (Minneapolis)* 24: 1117-26, Dec 74 (Eng)

ACUTE DISEASE; ADULT; AGED; APHASIA (etiology); BLOOD PRESSURE; BLOOD VOLUME; BRAIN (blood supply); CEREBROVASCULAR CIRCULATION; CEREBROVASCULAR DISORDERS (drug therapy, diagnosis); DIABETES MELLITUS (complications); ELECTROENCEPHALOGRAPHY; FEMALE; GLYCERIN (therapeutic use); HEMIPLEGIA (etiology); HUMAN; HYPERTENSION (complications); HYPERTONIC SOLUTIONS; INFARCTION (drug therapy); INTRACRANIAL PRESSURE; MALE; MIDDLE AGE; RADIOISOTOPES; REGIONAL BLOOD FLOW; TECHNETIUM; TIME FACTORS; XENON.

Otto-Buczowska E

[INSULIN ANTIBODIES AND THE ACTUAL INSULIN REQUIREMENTS IN CHILDREN AND ADOLESCENTS WITH PRIMARY DIABETES] Karczewska K, Felus E, Panek G, Otto-Buczowska E, Dudziak Z *Med Dosw Mikrobiol* 26: 325-30, 1974 (Pol)

Ouchi T

CEREBRAL METABOLIC EFFECTS OF GLYCEROL INFUSION IN DIABETICS WITH STROKE. Meyer JS, Shimazu K, Ouchi T, Okamoto S, Koto A, Fukuchi Y, Ericsson AD *J Neurol Sci* 21: 1-22, Jan 74 (Eng)

Overby I

BOVINE TETANUS. II. THERAPY AND BIOLOGICAL FACTORS OF SIGNIFICANCE FOR RECOVERY. Jonsgard K, Hansen MA, Sognen E, Overby I *Nord Vet Med* 26: 362-9, Jan 74 (Eng)

Overley JR

PH CONTROL AND THE SHOULDER EFFECT IN PARALLEL FERMENTATION PATHWAYS. Tanner RD, Overley JR *Biotechnol Bioeng* 16: 485-500, Apr 74 (Eng)

Overton JB

OPTIMIZATION AND ANALYTICAL APPLICATIONS OF THE TECHNIQUE DYNAMIC INTRODUCTION OF LIQUIDS INTO CENTRIFUGAL ANALYZERS. Burtis CA, Johnson WF, Overton JB, Tiffany TO, Mailen JC *Clin Chem* 20: 932-41, Aug 74 (Eng)

Owen OE

RENAL CONSERVATION OF KETONE BODIES DURING STARVATION. Sapir DG, Owen OE *Metabolism* 24: 23-33, Jan 75 (Eng)

Oxender WD

SERUM INSULIN, GLUCOSE, AND FREE FATTY ACIDS IN THE COW AND FETUS DURING GESTATION. Grigsby JS, Oxender WD, Hafs HD, Britt DG, Merkel RA *Proc Soc Exp Biol Med* 147: 830-4, Dec 74 (Eng)

Ozand PT

GLYCEROL INTOLERANCE IN A CHILD WITH INTERMITTENT HYPOGLYCEMIA. Maclaren NK, Cowles C, Ozand PT, Shuttee R, Cornblath M *J Pediatr* 86: 43-9, Jan 75 (Eng)

Pai ML

EFFECT OF GLUCOSE LOADING ON SERUM GLYCOPROTEINS. Ghai RD, Pai ML, Shah

Diabetes Literature—Author Index

Paltauf F

CP, Srinivasan S *J Assoc Physicians India* 22: 597-600, Aug 74 (Eng)

Paltauf F

STEREOSPECIFICITY OF LIPASES. ENZYMIC HYDROLYSIS OF ENANTIOMERIC ALKYL DIACYLGLYCEROLS BY LIPOPROTEIN LIPASE, LINGUAL LIPASE AND PANCREATIC LIPASE. Paltauf F, Esfandi F, Holasek A *FEBS Lett* 40: 119-23, 15 Mar 74 (Eng)

CATS; RATS; ANIMAL EXPERIMENTS; HUMAN; MALE; FEMALE; COMPARATIVE STUDY; LIPASE (metabolism); PANCREAS (enzymology); LIPOPROTEIN LIPASE (metabolism, blood); TONGUE (enzymology); GLYCERIDES; TRITIUM; PROTEIN BINDING; BINDING SITES; STEREOISOMERS; CARBON RADIOISOTOPES; ORGAN SPECIFICITY; SPECIES SPECIFICITY; MILK (enzymology); STRUCTURE-ACTIVITY RELATIONSHIP; EPIDIDYMIS; ADIPOSE TISSUE (enzymology); CHROMATOGRAPHY, THIN LAYER; KINETICS; TIME FACTORS.

Panchenko LF

[ISOLATION OF MEMBRANE PREPARATIONS FROM ACHOLEPLASMA LAIDLAWII CELLS AND THEIR TRANSPORT CHARACTERISTICS] Fedotov NS, Panchenko LF, Tarshis MA *Mikrobiologiya* 43: 543-5, 1974 (Rus)

Pandit V

MARATHON RUNNING AFTER MYOCARDIAL INFARCTION. Kavanagh T, Shephard RH, Pandit V *JAMA* 229: 1602-5, 16 Sep 74 (Eng)

Panek E

[ADRENAL RESERVE IN DIABETES INSIPIDUS TREATED WITH CHLORPROPAMIDE] Mazanek E, Zalewski J, Kowalski S, Panek E, Starzewska H *Endokrynol Pol* 26: 17-20, Jan-Feb 75 (Pol)

Panek G

[INSULIN ANTIBODIES AND THE ACTUAL INSULIN REQUIREMENTS IN CHILDREN AND ADOLESCENTS WITH PRIMARY DIABETES] Karczewska K, Felus E, Panek G, Otto-Buczowska E, Dudziak Z *Med Dosw Mikrobiol* 26: 325-30, 1974 (Pol)

Panten U

EFFECTS OF BICYCLIC LEUCINE ANALOGUES ON INSULIN RELEASE FROM THE PERFUSED RAT PANCREAS AND FLUORESCENCE OF REDUCED PYRIDINE NUCLEOTIDES FROM PERFUSED PANCREATIC ISLETS. Joost HG, Panten U, Ishida H, Poser W, Hasselblatt A *Life Sci* 16: 247-54, 15 Jun 75 (Eng)

Papahadjopoulos D

MEMBRANE FUSION AND MOLECULAR SEGREGATION IN PHOSPHOLIPID VESICLES. Papahadjopoulos D, Poste G, Schaeffer BE, Vail WJ *Biochim Biophys Acta* 352: 10-28, 30 May 74 (Eng)

CATTLE; COMPARATIVE STUDY; MEMBRANES, ARTIFICIAL; PHOSPHOLIPIDS; MODELS, BIOLOGICAL; ULTRACENTRIFUGATION; GEL FILTRATION; MICROSCOPY, ELECTRON; SCANNING; CALORIMETRY; BINDING SITES; TEMPERATURE; MOLECULAR CONFORMATION; THERMODYNAMICS; LECITHINS; PALMITIC ACID; CEPHALINS; STEARIC ACID; CALCIUM; SERINE; SERUM ALBUMIN, BOVINE; TRITIUM; PROTEIN BINDING; CHOLESTEROL; EGG YOLK.

Parker WL

EM49: A NEW POLYPEPTIDE ANTIBIOTIC ACTIVE AGAINST CELL MEMBRANES. Meyers

E, Parker WL, Brown WE, Linnett P, Strominger JL *Ann NY Acad Sci* 235: 493-501, 10 May 74 (Eng)

Passow H

EFFECT OF TEMPERATURE ON SULFATE MOVEMENTS ACROSS CHEMICALLY OR ENZYMATICALLY MODIFIED MEMBRANES OF HUMAN RED BLOOD CELLS. Schwoch G, Rudloff V, Wood-Guth I, Passow H *Biochim Biophys Acta* 339: 126-38, 26 Feb 74 (Eng)

Pateisky K

[URAEIC POLYNEUROPATHY AFTER RENAL TRANSPLANTATION (AUTHORS TRANSL)] Mamoli B, Kopsa H, Gerstenbrand F, Kotzaurek R, Pateisky K *J Neurol* 208: 63-9, 1974 (Ger)

Patel BC

BINDING OF A SOLUBILIZED MEMBRANE AT-PASE TO PHOSPHOLIPID BILAYERS. Redwood WR, Patel BC *Biochim Biophys Acta* 363: 70-85, 21 Aug 74 (Eng)

Patel T

FAILURE OF 6-AMINONICOTINAMIDE TO INHIBIT THE POTENTIATING EFFECT OF LEUCINE AND ARGININE ON GLUCOSE-INDUCED INSULIN RELEASE IN VITRO. MacDonald MJ, Ammon HP, Patel T, Steinke J *Diabetologia* 10: 761-5, Dec 74 (Eng)

Patt LM

CELL SURFACE GLYCOPROTEIN AND GLYCOPROTEIN GLYCOSYLTRANSFERASES OF NORMAL AND TRANSFORMED CELLS. Patt LM, Grimes WJ *J Biol Chem* 249: 4157-65, 10 Jul 74 (Eng)

MICE; ANIMAL EXPERIMENTS; HEXOSYLTRANSFERASES (metabolism); MANGANESE (pharmacodynamics); KINETICS; NEURAMINIC ACIDS (metabolism); DETERGENTS (pharmacodynamics); GLUCOSAMINE (metabolism); TRYPSIN (pharmacodynamics); GALACTOSAMINE (metabolism); MICROSOMES (metabolism); GALACTOSE (metabolism); TRANSFERASES (metabolism); GLUCOSE (metabolism); ACETAMIDES (metabolism); MANNOSE (metabolism); GLYCOLIPIDS (metabolism); GLYCOPROTEINS (metabolism); CELL TRANSFORMATION, NEOPLASTIC; SV40 VIRUS; FIBROBLASTS; CELLS, CULTURED (metabolism); POLYOMA VIRUS; CARBON RADIOISOTOPES; TRITIUM; ELECTROPHORESIS; TIME FACTORS.

Patz A

A FOLLOW-UP OF BLIND DIABETIC PATIENTS. Berkow JW, Patz A, Fine S *Ann Ophthalmol* 7: 79-82, Jan 75 (Eng)

Paul D

GROWTH CONTROL IN PRIMARY FETAL RAT LIVER CELLS IN CULTURE. Paul D, Walter S *J Cell Physiol* 85: 113-23, Feb 75 (Eng)

ARGININE (metabolism, analogs & derivatives); BLOOD; CARBON RADIOISOTOPES; CATTLE; CELL DIVISION; CELLS, CULTURED; CULTURE MEDIA; DIBUTYRYL CYCLIC AMP (pharmacodynamics); DNA (biosynthesis); FLUOROMETRY; GEL FILTRATION; GLUCAGON (pharmacodynamics); INSULIN (pharmacodynamics); LIVER (embryology); ORNITHINE (metabolism); RATS, INBRED F344; THEOPHYLLINE (pharmacodynamics); THYMIDINE (metabolism); TRITIUM; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Paul F

[QUANTITATIVE STUDIES OF THE EFFECT OF PANCREATIC GLUCAGON AND

SECRETIN AND ON GASTROINTESTINAL MOTILITY IN MAN RECORDED BY SIMULTANEOUS ELECTRO-MANOMETRIC REGISTRATION (AUTHORS TRANSL)] Paul F *Klin Wochenschr* 52: 983-9, 15 Oct 74 (Ger)

ADULT; COLON (drug effects); DUODENUM (drug effects); ELECTRONICS, MEDICAL; ENGLISH ABSTRACT; FEMALE; GASTROINTESTINAL MOTILITY (drug effects); GASTROINTESTINAL SYSTEM (physiology); GLUCAGON (pharmacodynamics); HUMAN; MALE; MANOMETRY; MIDDLE AGE; SECRETIN (pharmacodynamics); STOMACH (drug effects).

Pav J

[CONTRIBUTION OF THE WORK OF PROF. J. SYLLABA: TREATMENT OF DIABETIC COMA BASED ON OWN EXPERIENCES. PROJECT FOR THE UNIFICATION OF TREATMENT. VNITRNI LEK. 20,1974,7: P.686-93] Pav J, Rosival V *Vnit Lek* 20: 1215-8, Dec 74 (Cze)

DIABETIC COMA (drug therapy, diet therapy); HUMAN; INSULIN (administration & dosage, therapeutic use).

Peacocke AR

THE PREPARATION AND PROPERTIES OF PYRUVATE KINASE FROM YEAST. Fell DA, Little PF, Peacocke AR, Dwek RA *Biochem J* 139: 665-75, Jun 74 (Eng)

Pearce PH

THE DEVELOPMENT OF PHOSPHOPYRUVATE CARBOXYLASE AND GLUCONEOGENESIS IN NEONATAL RATS. Pearce PH, Buirchell BJ, Weaver PK, Oliver IT *Biol Neonate* 24: 320-9, 1974 (Eng)

PREGNANCY; RATS; ANIMAL EXPERIMENTS; FEMALE; PHOSPHOENOLPYRUVATE CARBOXYKINASE (biosynthesis, analysis); GLUCONEOGENESIS (drug effects); ANIMALS, NEWBORN; ENZYME INDUCTION (drug effects); LIVER (enzymology, metabolism); CARBON RADIOISOTOPES; LACTATES (metabolism); GLUCOSE (biosynthesis); GLYCOGEN (biosynthesis); DACTINOMYCIN (pharmacodynamics); DELIVERY; BODY WEIGHT; PROGESTERONE (pharmacodynamics).

Peled Y

ACYLATION OF MONOGLYCERIDES BY LOCUST FAT-BODY MICROSOMES. Peled Y, Tietz A *FEBS Lett* 41: 65-8, 15 Apr 74 (Eng)

ANIMAL EXPERIMENTS; COMPARATIVE STUDY; GLYCERIDES (metabolism, biosynthesis); MICROSOMES (metabolism, enzymology); ADIPOSE TISSUE (metabolism, cytology, enzymology); GRASSHOPPERS (metabolism); CARBON RADIOISOTOPES; TRITIUM; OLEIC ACID; TRIGLYCERIDES (biosynthesis); LIPASE; HYDROGEN-ION CONCENTRATION; PANCREAS (enzymology); KINETICS; CHROMATOGRAPHY, THIN LAYER; ISOTOPE LABELING; ACYLTRANSFERASES (metabolism); TIME FACTORS.

Pellerey F

[LETTER: STEROID-INDUCED DIABETES] Charpin J, Aubert J, Pellerey F, Vague P *Nouv Presse Med* 3: 1960, 21 Sep 74 (Fre)

Pennacchia G

CHEMICAL AND CLINICAL EVALUATION OF THE CONTINUOUS-FLOW ANALYZER SMAC. Schwartz MK, Bethune VG, Fleisher M, Pennacchia G, Menendez-Botet CJ, Lehman D *Clin Chem* 20: 1062-70, Aug 74 (Eng)

Perez-Garcia J

COMPETITION FOR ADP BETWEEN PYRUVATE KINASE AND MITOCHONDRIAL OXIDATIVE PHOSPHORYLATION AS A CONTROL MECHANISM IN GLYCOLYSIS. Gosalvez M, Perez-Garcia J, Weinhouse S *Eur J Biochem* 46: 133-40, 1 Jul 74 (Eng)

Perezagua-Clamagrand C

LIPOLYSIS RELATION OF THE ADIPOSE TISSUE MASS IN OBESE INDIVIDUALS. ITS MODIFICATION BY EPINEPHRINE. Portugal-Alvarez J, Perezagua-Clamagrand C, Velasco-Martin A *Pol J Pharmacol Pharm* 26: 325-8, May-Jun 74 (Eng)

Peringer P

A GENERALIZED MATHEMATICAL MODEL FOR THE GROWTH KINETICS OF SACCHAROMYCES CEREVISIAE WITH EXPERIMENTAL DETERMINATION OF PARAMETERS. Peringer P, Blachere H, Corrieu G, Lane AG *Biotechnol Bioeng* 16: 431-54, Apr 74 (Eng)

MODELS, BIOLOGICAL; KINETICS; MATHEMATICS; SACCHAROMYCES CEREVISIAE (growth & development); ENERGY METABOLISM; HYDROGEN-ION CONCENTRATION; GLUCOSE (metabolism); OXIDATIVE PHOSPHORYLATION; GLYCOLYSIS.

Pernhaupt G

[FAMILIAL OCCURRENCE OF FAHRS SYNDROME] Pernhaupt G, Tschabitscher H, Wessely P *Nervenarzt* 45: 647-53, Dec 74 (Ger)
ADULT; AGED; APRAXIA (diagnosis); CALCINOSIS (familial & genetic, pathology, radiography); CEREBROVASCULAR DISORDERS (familial & genetic, pathology, radiography); CHOREA (diagnosis); DEMENTIA, PRESENILE (diagnosis); DIABETES MELLITUS (diagnosis); ELECTROENCEPHALOGRAPHY; EXTRAPYRAMIDAL DISORDERS (diagnosis); FEMALE; HUMAN; HYPERCALCEMIA (familial & genetic, pathology, radiography); HYPERPARATHYROIDISM (familial & genetic, pathology, radiography); MIDDLE AGE; SYNDROME.

Persson B

CARBOHYDRATE AND LIPID METABOLISM IN THE NEWBORN INFANT. Persson B *Acta Anaesthesiol Scand [Suppl]* 50-7, 1974 (Eng)
BIRTH WEIGHT; BLOOD SUGAR (metabolism); CARBOHYDRATES (metabolism); CARBON DIOXIDE (blood); CHOLESTEROL (metabolism); FATTY ACIDS, NONESTERIFIED (metabolism); FEMALE; FETUS (metabolism); GESTATIONAL AGE; GLYCOGEN (metabolism); HEART RATE; HUMAN; HYPOGLYCEMIA (blood); INFANT, NEWBORN; INFANT, PREMATURE; KETONE BODIES (metabolism); LIPIDS (metabolism); LIVER (metabolism); MATERNAL-FETAL EXCHANGE; OXYGEN (blood); PHOSPHOLIPIDS (metabolism); PREGNANCY IN DIABETES (metabolism); PREGNANCY; RESPIRATION; TRIGLYCERIDES (metabolism).

Peruzzi G

CENTRAL HYPOTHERMIA BY 2-DEOXY-D-GLUCOSE: ANTAGONISM BY ALPHA-ADRENERGIC ACTIVATION. Muller EE, Cocchi D, Jallanbo H, Udeschini G, Peruzzi G, Mantegazza P *Eur J Pharmacol* 26: 243-55, May 74 (Eng)

Peters HJ

[THE HEMANGIOPERICYTOMA OF THE KIDNEY (AUTHORS TRANSL.)] Ludwig G, Nuri M, Peters HJ, Munzenmeier R *Urologe [A]* 13: 284-8, Nov 74 (Ger)

Peterson DR

THE NATURE OF D-SERINE-INDUCED NEPHROTOXICITY. Ganote CE, Peterson DR, Carone FA *Am J Pathol* 77: 269-82, Nov 74 (Eng)

Petrova AN

[STUDY OF SUGARS AND CARBOHYDRATE METABOLISM ENZYMES IN RHIZOBIUM LUPINI IN SYMBIOSIS] Petrova AN, Chermenskaia IE, Kretovich VL *Dokl Akad Nauk SSSR* 217: 479-80, 11 Jul 74 (Rus)
RHIZOBIUM (enzymology, analysis); HEXOKINASE (metabolism); GLUCOSEPHOSPHATE DEHYDROGENASE (metabolism); GLYCOSIDE HYDROLASES (metabolism); GLYCOGEN PHOSPHORYLASE (metabolism); SYMBIOSIS; CARBOHYDRATES (analysis); AMYLASE (metabolism); GLUCOSIDASE (metabolism).

Petushkova TN

[EFFECT OF HYDROCORTISONE, THYROXINE AND ALLOXAN DIABETES ON THE INCORPORATION OF THE LABELLED ACETATE-1-C14 INTO THE LIPIDS OF THE ADRENAL GLANDS AND TESTIS IN RATS] Kheidemanis KK, Petushkova TN *Probl Endokrinol (Mosk)* 20: 100-4, Sep-Oct 74 (Rus)

Petzold R

[STUDIES ON THE GLYCERIDE STRUCTURE OF FATS. 6. STUDIES WITH SYNTHETIC TRIGLYCERIDES ON THE FATTY ACIDS SPECIFICITY OF LIPASE OF GEOTRICHUM CANDIDUM] Franzke C, Kroll J, Petzold R *Nahrung* 17: 171-84, 1973 (Ger)

Phillips MC

THE STOICHIOMETRY AND DYNAMICS OF LECITHIN-CHOLESTEROL CLUSTERS IN BILAYER MEMBRANES. Phillips MC, Finer EG *Biochim Biophys Acta* 356: 199-206, 31 Jul 74 (Eng)
MEMBRANES, ARTIFICIAL; CHOLESTEROL; LECITHINS; MODELS, BIOLOGICAL; BINDING SITES; MOLECULAR CONFORMATION; KINETICS; NUCLEAR MAGNETIC RESONANCE; ANDROSTANES; CRYSTALLIZATION; GELS; THERMODYNAMICS; CALORIMETRY; MATHEMATICS; TIME FACTORS.

Picken GM

REGULATORY ROLE OF ADENYL CYCLASE AND CYCLIC AMP. Jarrott B, Picken GM *Adv Cardiol* 12: 149-61, 1974 (Eng)

Pignard P

[HYPOGLYCEMIC SULFONAMIDES, KIDNEY FAILURE AND HYPOGLYCEMIC COMA] Akoun G, Beucler A, Pignard P *Cah Med* 15: 333-6, 15 Jun 74 (Fre)

Pinto G

[ASPECTS OF AEROBIC RESPIRATION IN THE HEART AND AORTIC WALL IN THE EXPERIMENTAL RABBIT ATHEROSCLEROSIS (AUTHORS TRANSL.)] Pinto G, Erlon L, Rodrigues A, Nery JW, Machado AE *Rev Bras Pesqui Med Biol* 7: 133-8, Mar-Apr 74 (Por)
ENGLISH ABSTRACT; RABBITS; ANIMAL EXPERIMENTS; MALE; FEMALE; COMPARATIVE STUDY; OXYGEN CONSUMPTION; AORTA (metabolism); MYOCARDIUM (metabolism); AORTA, ABDOMINAL (metabolism); AORTA, THORACIC (metabolism); ARTERIOSCLEROSIS (metabolism); SUCCINATES (metabolism); SODIUM; KETOGLUTARIC ACID.

Plattner H

MEMBRANE PROTEINS OF CATECHOLAMINE-STORING VESICLES IN

ADRENAL MEDULLA AND SYMPATHETIC NERVES. Winkler H, Hortnagl H, Asamer H, Plattner H *Adv Exp Med Biol* 32: 69-81, 1972 (Eng)

Pleasure JR

THE EFFECTS OF FOUR DIFFERENT RADIANT WARMER TEMPERATURE SET-POINTS USED FOR REWARMING NEONATES. Motil KJ, Blackburn MG, Pleasure JR *J Pediatr* 85: 546-50, Oct 74 (Eng)

Plumpe H

[ISOXAZOLECARBOXAMIDOALKYL-BENZOLE-SULFONYLUREA, SEMICARBAZIDE AND AMINOPYRIMIDINE AS WELL AS RELATED COMPOUNDS AND THEIR BLOOD SUGAR REDUCING ACTIVITY] Plumpe H, Horstmann H, Puls W *Arzneim Forsch* 24: 363-74, Mar 74 (Ger)
ENGLISH ABSTRACT; RATS; ANIMAL EXPERIMENTS; FEMALE; SULFONYLUREA COMPOUNDS (pharmacodynamics, chemical synthesis); BLOOD SUGAR; SEMICARBAZIDES (pharmacodynamics, chemical synthesis); PYRIMIDINES (pharmacodynamics, chemical synthesis); DEPRESSION, CHEMICAL; CHEMISTRY; GERM-FREE LIFE; DRUG SCREENING; STRUCTURE-ACTIVITY RELATIONSHIP; HETEROCYCLIC COMPOUNDS (pharmacodynamics, chemical synthesis); AMINES (pharmacodynamics); SULFONAMIDES (chemical synthesis); CYANATES.

Pogozheva AV

[CHANGES OF GASTRIC MUCOSA IN PATIENTS WITH MILD FORM OF DIABETES MELLITUS] Moskovich EG, Korsakova NA, Pogozheva AV *Probl Endokrinol (Mosk)* 20: 42, Sep-Oct 74 (Rus)

Poliakova GP

[EFFECT OF THE CONDITIONS OF INTRAUTERINE DEVELOPMENT ON THE ESTABLISHMENT OF EXTERNAL RESPIRATION AFTER BIRTH] Poliakova GP, Finkel ML *Akush Ginekol (Mosk)* 141-5, Mar 74 (Rus)
DIAPHRAGM (physiology, physiopathology); ELECTROMYOGRAPHY; ENGLISH ABSTRACT; FEMALE; HUMAN; INFANT, NEWBORN; INTERCOSTAL MUSCLES (physiology, physiopathology); LUNG (embryology, physiology, physiopathology); MATERNAL-FETAL EXCHANGE; PREGNANCY IN DIABETES (physiopathology); PREGNANCY TOXEMIAS (physiopathology); PREGNANCY; RESPIRATION.

Polistena A

[CURRENT VIEWS ON THE TOXICITY OF OXYGEN] Polistena A *Riv Med Aeronaut Spaz* 36: 20-43, Jul 73 (Ita)
ENGLISH ABSTRACT; ANIMAL EXPERIMENTS; HUMAN; OXYGEN (adverse effects, toxicity, blood, pharmacodynamics); CATALYSIS; INDICATORS AND REAGENTS; SULFHYDRYL COMPOUNDS (blood); FREE RADICALS; OXIDATION-REDUCTION; BLOOD SUGAR; LACTATES (blood); PYRUVATES (blood); AMINOBUTYRIC ACID (blood); ADENOSINE TRIPHOSPHATE (blood); COENZYMES; GLUTATHIONE (blood); OXYGEN CONSUMPTION.

Politzer WM

LETTER: ORAL HYPOGLYCAEMIC AGENTS. Schneider T, Politzer WM *S Afr Med J* 48: 2577, 21 Dec 74 (Eng)

Ponikowska I

[VALUES OF MEAN ERYTHEMA-PRODUCING DOSES OF SOLAR RADIATION IN HEALTH-SUBJECTS AND DIABETICS] Ponikowska I, Marusik T, Tyczka S *Pol Tyg Lek* 30: 19-21, 6 Jan 75 (Pol)

Diabetes Literature—Author Index

Ponz F

ADOLESCENCE; ADULT; DIABETES MELLITUS (complications); ENGLISH ABSTRACT; ERYTHEMA (etiology, prevention & control); FEMALE; HELIOTHERAPY; HUMAN; MALE; MIDDLE AGE; PHYSICAL THERAPY; POLAND; RADIATION DOSAGE; RADIATION EFFECTS; SKIN (radiation effects); SUNBURN (prevention & control); SUNLIGHT; TIME FACTORS.

Ponz F

[SIGNIFICANCE OF THE SODIUM ION IN THE INTESTINAL ABSORPTION OF SUGARS] Ponz F *Rev Med Univ Navarra* 17: 95-119, Jun 73 (Spa) [231]

REVIEW; GUINEA PIGS; HAMSTERS; ANIMAL EXPERIMENTS; CARBOHYDRATES (metabolism); SODIUM (pharmacodynamics, metabolism); INTESTINAL ABSORPTION (drug effects); GLUCOSE (metabolism); KINETICS; INTESTINAL MUCOSA (metabolism); EPITHELIAL CELLS (cytology); CARDIAC GLYCOSIDES (pharmacodynamics); BIOLOGICAL TRANSPORT, ACTIVE; POTASSIUM (metabolism); ADENOSINE TRIPHOSPHATASE (physiology).

Portenhaus R

REGULATION OF PYRUVATE-DEHYDROGENASE INTERCONVERSION IN RAT-LIVER MITOCHONDRIA AS RELATED TO THE PHOSPHORYLATION STATE OF INTRAMITOCHONDRIAL ADENINE NUCLEOTIDES. Wieland OH, Portenhaus R *Eur J Biochem* 45: 577-88, 15 Jun 74 (Eng)

Portugal-Alvarez J

LIPOLYSIS RELATION OF THE ADIPOSE TISSUE MASS IN OBESE INDIVIDUALS. ITS MODIFICATION BY EPINEPHRINE. Portugal-Alvarez J, Perezagua-Clamagrand C, Velasco-Martin A. *Pol J Pharmacol Pharm* 26: 325-8, May-Jun 74 (Eng)

HUMAN; LIPIDS (metabolism); ADIPOSE TISSUE (metabolism); OBESITY (metabolism); EPINEPHRINE (pharmacodynamics); FATTY ACIDS, NONESTERIFIED (blood); TIME FACTORS; LIPID MOBILIZATION (drug effects).

Poser W

EFFECTS OF BICYCLIC LEUCINE ANALOGUES ON INSULIN RELEASE FROM THE PERFUSED RAT PANCREAS AND FLUORESCENCE OF REDUCED PYRIDINE NUCLEOTIDES FROM PERFUSED PANCREATIC ISLETS. Joost HG, Panten U, Ishida H, Poser W. *Hasselblatt A Life Sci* 16: 247-54, 15 Jan 75 (Eng)

Posinovec J

THE LYMPHOCYTIC INFILTRATES IN THE EAR-LOBE SKIN OF DIABETICS. Posinovec J *Arch Dermatol Forsch* 251: 117-22, 1974 (Eng)

ADULT; CELL MOVEMENT; DIABETES MELLITUS (pathology); EAR, EXTERNAL (pathology); EXUDATES AND TRANSDATES; HUMAN; LYMPHOCYTES (pathology); MALE; SKIN (pathology).

Poste G

MEMBRANE FUSION AND MOLECULAR SEGREGATION IN PHOSPHOLIPID VESICLES. Papahadjopoulos D, Poste G, Schaeffer BE, Vail WJ *Biochim Biophys Acta* 352: 10-28, 30 May 74 (Eng)

Poulsen JE

THE CLINICAL SIGNIFICANCE OF HIGHLY PURIFIED PIG-INSULIN PREPARATIONS. Deckert T, Andersen OO, Poulsen JE *Diabetologia* 10: 703-8, Dec 74 (Eng)

Poulsen K

THE ABILITY OF VARIOUS INSULINS AND INSULIN FRAGMENTS TO INHIBIT THE ANGIOTENSIN I CONVERTING ENZYME. Bing J, Poulsen K, Markussen J *Acta Pathol Microbiol Scand [A]* 82: 777-82, Nov 74 (Eng)

Pradel LA

YEAST HEXOKINASE: INTERACTION WITH SUBSTRATES AND ANALOGS STUDIED BY DIFFERENCE SPECTROPHOTOMETRY. Roustan C, Brevet A, Pradel LA, Thoai N van *Eur J Biochem* 44: 353-8, 15 May 74 (Eng)

Pressman BC

TURNOVER NUMBERS FOR IONOPHORE-CATALYZED CATION TRANSPORT ACROSS THE MITOCHONDRIAL MEMBRANE. Haynes DH, Wiens T, Pressman BC *J Membr Biol* 18: 23-38, 1974 (Eng)

Prestegard JH

CARBON-13 FOURIER TRANSFORM NUCLEAR MAGNETIC RESONANCE. 8. ROLE OF STERIC AND ELECTRIC FIELD EFFECTS IN FATTY ACID SPECTRA. Batchelor JG, Cushley RJ, Prestegard JH *J Org Chem* 39: 1698-1705, 14 Jun 74 (Eng)

Printen KJ

METABOLIC RESPONSES TO HYPERPYREXIA. Liebschutz DC, Boutros AR, Printen KJ *Surg Gynecol Obstet* 139: 403-5, Sep 74 (Eng)

Prior IA

CARDIOVASCULAR EPIDEMIOLOGY IN NEW ZEALAND AND THE PACIFIC. Prior IA *NZ Med J* 80: 245-52, 25 Sep 74 (Eng)

ADULT; AGED; ANTHROPOMETRY; BLOOD PRESSURE; CARDIOVASCULAR DISEASES (occurrence); CHOLESTEROL (blood); CORONARY DISEASE (occurrence); DIABETES MELLITUS (occurrence); DIET; ELECTROCARDIOGRAPHY; EMIGRATION AND IMMIGRATION; ETHNIC GROUPS; FEMALE; GOUT (occurrence); HUMAN; HYPERTENSION (occurrence); MALE; MIDDLE AGE; NEW ZEALAND; POLYNESIA; SODIUM CHLORIDE; TRIGLYCERIDES (blood); URIC ACID (blood).

Prout TE

LETTER: SCREENING FOR DIABETES. Prout TE *Lancet* 1: 166-7, 18 Jan 75 (Eng)

AGED; BLOOD SUGAR (analysis); DIABETES MELLITUS (diagnosis, blood); GLUCOSE TOLERANCE TEST; HUMAN; MASS SCREENING; MIDDLE AGE.

Puech H

[RESEARCH ON THE IMPROVEMENT OF BIGUANIDE TOLERANCE] Puech H *Sem Hop Ther* 50: 463-6, Sep-Oct 74 (Fre)

ACIDOSIS (chemically induced); BIGUANIDES (administration & dosage); DIABETES MELLITUS (drug therapy); DRUG COMBINATIONS; DRUG TOLERANCE; GASTROINTESTINAL SYSTEM (drug effects); HUMAN; INSULIN (physiology); OBESITY IN DIABETES (drug therapy).

Puget A

COMPARATIVE STUDY OF ERYTHROCYTE GLYCOLYTIC ENZYMES IN MAN AND IN TWO SPECIES OF LAGOMORPHAE. (OCHOTONA RUFESCENS RUFESCENS AND ORYCTOLAGUS CUNICULUS). Puget A, Vergnes H, Gouarderes C *Can J Comp Med* 38: 314-20, Jul 74 (Eng)

INFANT; ADULT; ANIMAL EXPERIMENTS; HUMAN; MALE; FEMALE; COMPARATIVE STUDY; ERYTHROCYTES (enzymology); RABBITS (metabolism); RODENTS (metabolism); GLYCOLYSIS; PHOSPHOGLUCOMUTASE (blood);

HEXOKINASE (blood); GLUCOSEPHOSPHATE ISOMERASE (blood); PHOSPHOFRUCTOKINASE (blood); ALDOLASE (blood); CARBOHYDRATE ISOMERASES (blood); GLYCERALDEHYDEPHOSPHATE DEHYDROGENASE (blood); PHOSPHOGLYCERATE KINASE (blood); PHOSPHOTRANSFERASES (blood); PHOSPHOPYRUVATE HYDRATASE (blood); PYRUVATE KINASE (blood); GLUCOSEPHOSPHATE DEHYDROGENASE (blood); PHOSPHOGLUCONATE DEHYDROGENASE (blood); ANIMALS, NEWBORN.

Puhakainen E

LIPID ACCEPTOR IN UDPGLUCURONIC ACID METABOLISM IN RAT LIVER MICROSOMES. Puhakainen E, Hanninen O *FEBS Lett* 39: 144-8, 15 Feb 74 (Eng)

RATS; ANIMAL EXPERIMENTS; HUMAN; MALE; FEMALE; MICROSOMES, LIVER (metabolism); RECEPTORS, DRUG; URIDINE DIPHOSPHATE SUGARS (metabolism); URONIC ACIDS (metabolism); LIPIDS (metabolism); BINDING SITES; ERYTHROCYTES (cytology); CELL MEMBRANE; CARBON RADIOISOTOPES; CHROMATOGRAPHY, PAPER; PHOSPHODIESTERASES; PLANTS (enzymology); MYOCARDIUM (enzymology); CLOSTRIDIUM PERFRINGENS (enzymology); ALKALINE PHOSPHATASE; SNAKES; ESCHERICHIA COLI (enzymology); PHOSPHATASES; GLUCURONIDASE; SNAILS (enzymology); SULFATASES.

Puls W

[ISOXAZOLECARBOXAMIDOALKYL-BENZOLISULFONYLUREA, -SEMICARBAZIDE AND -AMINOPYRIMIDINE AS WELL AS RELATED COMPOUNDS AND THEIR BLOOD SUGAR REDUCING ACTIVITY] Plumpe H, Horstmann H, Puls W *Arzneim Forsch* 24: 363-74, Mar 74 (Ger)

INHIBITION OF SUCRASE BY TRIS IN RAT AND MAN, DEMONSTRATED BY ORAL LOADING TESTS WITH SUCROSE. Puls W, Keup U *Metabolism* 24: 93-8, Jan 75 (Eng)

ADMINISTRATION, ORAL; ANIMAL EXPERIMENTS; BLOOD SUGAR; CARBON RADIOISOTOPES; COMPARATIVE STUDY; GLUCOSE (pharmacodynamics); HUMAN; INSULIN (blood); INTESTINE, SMALL (metabolism); MALE; MALTOSE (pharmacodynamics); RADIOIMMUNOASSAY; RATS; SPECIES SPECIFICITY; STOMACH (metabolism); SUCRASE (antagonists & inhibitors); SUCROSE (metabolism, administration & dosage, pharmacodynamics); TIME FACTORS; TROMETHAMINE (pharmacodynamics).

Quabbe HJ

[INSULIN SECRETION IN PATIENTS WITH CORONARY HEART DISEASE (AUTHORS TRANSL)] Schenk KE, Quabbe HJ, Bittner H, Sasse H, Schroder R *Klin Wochenschr* 52: 1053-9, 15 Nov 74 (Eng)

Quijada M

THE ADENOHYPOPHYSIAL RESPONSE TO STRESS AND ITS HYPOTHALAMIC CONTROL. McCann SM, Krulich L, Illner P, Quijada M, Ajika K, Fawcett CP *Adv Exp Med Biol* 33: 157-64, 1972 (Eng)

Quiroz SE

[TOTAL BODY FAT. ANTHROPOMETRIC EVALUATION (AUTHORS TRANSL)] Arroyo P, Coronado M, Quiroz SE *Rev Invest Clin* 26: 103-10, Apr-Jun 74 (Spa)

Diabetes Literature—Author Index

Renoe BW

Rabeau ES

HEALTH CARE PROBLEMS OF THE AMERICAN INDIANS. Rabeau ES, Erickson CJ *ISA Trans* 13: 319-25, 1974 (Eng)
ADOLESCENCE; ADULT; AGED; ALASKA; AMBULATORY CARE; CHILD; CHILD, PRESCHOOL; CULTURE; DELIVERY OF HEALTH CARE (standards); DIABETES MELLITUS (diagnosis); FEMALE; HEALTH AND WELFARE PLANNING; HEALTH EDUCATION; HEALTH SERVICES; HOSPITAL OUTPATIENT CLINICS; HUMAN; HYPERTENSION (diagnosis); INDIANS, NORTH AMERICAN; INFANT; INFANT, NEWBORN; MALE; MASS SCREENING; MIDDLE AGE; PUBLIC HEALTH; RESEARCH; SYSTEMS ANALYSIS; TECHNOLOGY; TUBERCULOSIS, PULMONARY (diagnosis).

Radda GK

NUCLEAR MAGNETIC RESONANCE STUDIES ON SUBSTRATE BINDING TO PHOSPHOGLUCOMUTASE. Gadian DG, Radda GK, Richards RE *Biochim Biophys Acta* 358: 57-68, 17 Jul 74 (Eng)

Rand CG

A METHOD FOR THE EPIDEMIOLOGIC STUDY OF EARLY DIABETES. Rand CG, Jackson RJ, Mackie CC *Can Med Assoc J* 111: 1312-4, 21 Dec 74 (Eng)
ADULT; AGED; BLOOD SUGAR; DIABETES MELLITUS (occurrence); FEMALE; GLUCOSE TOLERANCE TEST; HUMAN; MALE; MASS SCREENING (methods); MIDDLE AGE; ONTARIO; QUESTIONNAIRES.

Rannels SR

ACCELERATION OF SUGAR TRANSPORT IN AVIAN ERYTHROCYTES BY CATECHOLAMINES. Whitfield CF, Rannels SR, Morgan HE *J Biol Chem* 249: 4181-8, 10 Jul 74 (Eng)

Rapoport S

ON THE FORMATION OF ACETYL-COA FROM GLUTAMINE AND THE MUTUAL INTERCONVERSION BETWEEN OXALOACETATE AND PYRUVATE IN RABBIT RETICULOCYTES. Muller M, Thamm R, Rapoport S *FEBS Lett* 42: 279-81, 15 Jun 74 (Eng)

Rappaport R

[SOMATOMEDINS AND GROWTH] Job JC, Rappaport R *Arch Fr Pediatr* 31: 333-7, Apr 74 (Fre) [29]

Rath R

TO THE ADIPOKINETIC EFFECT OF SEROTONIN IN VITRO. Rath R, Kujalova V *Eur Orthod Soc Rep Congr* 63: 254-8, May 74 (Eng)

SPECIAL LIST DENTAL: RATS; HUMAN; MALE; IN VITRO; ADIPOSE TISSUE (metabolism); SEROTONIN (pharmacodynamics); KINETICS; EPINEPHRINE (pharmacodynamics); FATTY ACIDS, NONESTERIFIED (metabolism); EPIDIDYMIS; PROPRANOLOL (pharmacodynamics).

Ratzmann KP

[STUDIES ON THE MECHANISM OF NICOTINE-INDUCED LIPOLYSIS IN MAN] Ratzmann KP, Meyer LW, Riemeier D *Z Gesamte Inn Med* 29: 410-3, 15 May 74 (Ger)
ENGLISH ABSTRACT; ADULT; HUMAN; MALE; FEMALE; LIPIDS (metabolism); NICOTINE (pharmacodynamics); PROPRANOLOL (pharmacodynamics); TOBACCO; SMOKING; FATTY ACIDS, NONESTERIFIED (blood); BLOOD SUGAR (analysis); GLYCERIN (blood); CATECHOLAMINES (metabolism); STIMULATION, CHEMICAL; TIME FACTORS.

Rautenbach M

UTILIZATION AND TURNOVER RATE OF FRUCTOSE DURING CONTINUOUS INTRAVENOUS INFUSION IN PRE-TERM AND TERM NEWBORNS IN DEPENDENCE ON AGE. Beyreiss K, Rautenbach M *Biol Neonate* 24: 330-43, 1974 (Eng)

Razus M

[STUDY OF CATECHOLAMINE EXCRETION AFTER SINGLE ADMINISTRATION OF GLUCAGON IN DIABETICS (AUTHORS TRANSL.)] Razus M, Balazovjech I, Kratochvilova H *Bratisl Lek Listy* 62: 701-10, Dec 74 (Slo)
CATECHOLAMINES (urine); DIABETES MELLITUS (urine); ENGLISH ABSTRACT; GLUCAGON (pharmacodynamics, administration & dosage); HUMAN; INJECTIONS, INTRAVENOUS.

Redwood WR

BINDING OF A SOLUBILIZED MEMBRANE ATPASE TO PHOSPHOLIPID BILAYERS. Redwood WR, Patel BC *Biochim Biophys Acta* 363: 70-85, 21 Aug 74 (Eng)
ADENOSINE TRIPHOSPHATASE (metabolism, isolation & purification); MEMBRANES, ARTIFICIAL; LECITHINS; LIPOSOMES; SOLUBILITY, EGG YOLK; MODELS, BIOLOGICAL; SPECTROPHOTOMETRY, ULTRAVIOLET; PROTEIN BINDING; HYDROGEN-ION CONCENTRATION; BINDING SITES; KINETICS; STREPTOCOCCUS FAECALIS (enzymology, cytology); TRITIUM; CELL MEMBRANE (enzymology); ULTRACENTRIFUGATION; CARDIOLIPINS; CHOLESTEROL; HEAT; CEPHALINS; CHROMATOGRAPHY, DEAE-CELLULOSE; GEL FILTRATION.

Reed GH

BINDING OF MNADP-TO PHOSPHOGLYCERATE KINASE. Chapman BE, O'Sullivan WJ, Scopes RK, Reed GH *FEBS Lett* 41: 189-91, 1 May 74 (Eng)

Rees LH

PROCEEDINGS: FAMILIAL GLUCOCORTICOID DEFICIENCY. Thistlethwaite D, Darling JA, Fraser R, Rees LH, Harkness RA *J Endocrinol* 63: 48p-49p, Nov 74 (Eng)

Refsum HE

UREA AND CREATININE PRODUCTION AND EXCRETION IN URINE DURING AND AFTER PROLONGED HEAVY EXERCISE. Refsum HE, Stromme SB *Scand J Clin Lab Invest* 33: 247-54, May 74 (Eng)

ADULT; MIDDLE AGE; HUMAN; MALE; CREATININE (metabolism, blood, urine); UREA (metabolism, urine, blood); EXERCITION; SKIING; AGE FACTORS; KETONE BODIES (urine); BLOOD PROTEINS (metabolism); OSMOLAR CONCENTRATION; TIME FACTORS.

Regnault F

[DIABETIC MICROANGIOPATHY: COMPARISON BETWEEN MAN AND ANIMAL] Duhalut J, Lebon F, Boulanger M, Regnault F, Kern F *Biorheology* 11: 167-78, Jun 74 (Fre)

Regoly Merei A

[SIMULTANEOUS INCIDENCE OF DIABETES MELLITUS, CIRRHOTIC HEPATITIS AND 47, XX, 21&46, XX CHROMOSOME PICTURE] Barta L, Kemeny P, Regoly Merei A *Orv Hetil* 116: 153-5, 19 Jan 75 (Hun)

Reich JG

MATHEMATICAL ANALYSIS OF METABOLIC NETWORKS. Reich JG, Selkov EE *FEBS Lett* 40: suppl 119-27, 23 Mar 74 (Eng)
COMPARATIVE STUDY; ENZYMES (metabolism); KINETICS; MATHEMATICS; MODELS, BIOLOGICAL; PROTEIN BINDING;

BINDING SITES; GLYCOLYSIS; HEXOKINASE (metabolism); DRUG STABILITY; METHODS.

Reichle FA

FEMOROPERONEAL BYPASS: EVALUATION OF POTENTIAL FOR REVASCULARIZATION OF THE SEVERELY ISCHEMIC LOWER EXTREMITY. Reichle FA, Tyson RR *Ann Surg* 181: 182-5, Feb 75 (Eng)
AMPUTATION; ARTERIAL OCCLUSIVE DISEASES (surgery, complications, radiography); DIABETES MELLITUS (complications); EVALUATION STUDIES; FEMORAL ARTERY (surgery); FOLLOW-UP STUDIES; GANGRENE (etiology); HUMAN; ISCHEMIA (surgery); LEG (blood supply); TRANSPLANTATION, AUTOLOGOUS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; VEINS (transplantation).

Reinken L

[MICROMETHOD FOR DETERMINING PYRIDOXAL KINASE ACTIVITY IN SERUM] Reinken L *Int J Vitam Nutr Res* 44: 189-94, 1974 (Ger)

ENGLISH ABSTRACT; PHOSPHOTRANSFERASES, ATP (blood); PYRIDOXAL (metabolism); MICROCHEMISTRY; PYRIDOXAL PHOSPHATE (analysis); PHOSPHOTRANSFERASES (metabolism); ADENOSINE TRIPHOSPHATE (metabolism); MAGNESIUM; CHLORIDES; CARBON DIOXIDE (analysis); CARBON RADIOISOTOPES; HYDROGEN-ION CONCENTRATION.

Renaud D

INFLUENCE OF INSULIN ON SENSITIVITY TO TETRODOTOXIN OF ISOLATED CHICK EMBRYO HEART CELLS IN CULTURE. Le Douarin G, Renaud JF, Renaud D, Coraboeuf E *J Mol Cell Cardiol* 6: 523-9, Dec 74 (Eng)

Renaud JF

INFLUENCE OF INSULIN ON SENSITIVITY TO TETRODOTOXIN OF ISOLATED CHICK EMBRYO HEART CELLS IN CULTURE. Le Douarin G, Renaud JF, Renaud D, Coraboeuf E *J Mol Cell Cardiol* 6: 523-9, Dec 74 (Eng)

Rennie MJ

ALTERATION OF METABOLIC AND HORMONAL RESPONSES TO EXERCISE BY PHYSICAL TRAINING. Rennie MJ, Johnson RH *Eur J Appl Physiol* 33: 215-26, 1974 (Eng)
ADULT; BLOOD SUGAR; ENERGY METABOLISM; EXERCITION; FATTY ACIDS, NONESTERIFIED (blood); HUMAN; INSULIN (blood); KETONE BODIES (blood); LACTATES (blood); MALE; PHYSICAL FITNESS; PYRUVATES (blood); SOMATOTROPIN (blood); SPORT MEDICINE; TIME FACTORS.

Renoe BW

A CENTRIFUGAL ANALYZER WITH A NEW ALL-DIGITAL MEASUREMENT SYSTEM. Avery J, Gregory RP 4th, Renoe BW, Woodruff T, Malmstadt HV *Clin Chem* 20: 942-49, Aug 74 (Eng)

A VERSATILE MINIDISC MODULE FOR A CENTRIFUGAL ANALYZER. Renoe BW, Gregory RP 4th, Avery J, Malmstadt HV *Clin Chem* 20: 955-60, Aug 74 (Eng)
CENTRIFUGATION (instrumentation); AUTOANALYSIS (instrumentation); SPECTROPHOTOMETRY (instrumentation); EQUIPMENT AND SUPPLIES; COMPUTERS, DIGITAL; HEXOKINASE; BLOOD SUGAR.

INCORPORATION OF A HIGH-SPEED DECIMAL DATA PROCESSOR INTO A CENTRIFUGAL ANALYZER. Gregory RP 4th, Avery J, Renoe BW, Dryden PC, Malmstadt HV *Clin Chem* 20: 950-4, Aug 74 (Eng)

Diabetes Literature—Author Index

Renold AE

Renold AE

ENZYME-INDUCED MODIFICATIONS OF BETA CELL FUNCTION. I. EFFECT OF PRONASE ON INSULIN SECRETION. Lambert AE, Henquin JC, Orci L, Renold AE. *Eur J Clin Invest* 4: 459-68, 5 Dec 74 (Eng)

Rhoades RA

INFLUENCE OF FORCED VENTILATION ON SUBSTRATE METABOLISM IN THE PERFUSED RAT LUNG. Gassenheimer LN, Rhoades RA. *J Appl Physiol* 37: 224-7, Aug 74 (Eng)

Richards RE

NUCLEAR MAGNETIC RESONANCE STUDIES ON SUBSTRATE BINDING TO PHOSPHOGLUCOMUTASE. Gadian DG, Radda GK, Richards RE. *Biochim Biophys Acta* 358: 57-68, 17 Jul 74 (Eng)

Riedler GF

[BONE-MARROW TOXICITY, LACTIC ACIDOSIS, AND DISSEMINATED INTRAVASCULAR COAGULATION FOLLOWING PHENFORMIN MEDICATION] Riedler GF, Keusch G, Schmid M. *Schweiz Med Wochenschr* 104: 1160-6, 17 Aug 74 (Ger)

ACIDOSIS, DIABETIC (chemically induced, diagnosis); AGED; ANEMIA (etiology); ARRRHYTHMIA (etiology); BLOOD TRANSFUSION; BONE MARROW DISEASES (chemically induced); COGNITION DISORDERS (etiology); DIABETES MELLITUS (drug therapy); DISSEMINATED INTRAVASCULAR COAGULATION (chemically induced, diagnosis); ENGLISH ABSTRACT; ERYTHROCYTES (analysis); FEMALE; HEMATOMA (etiology); HEMOGLOBINS (analysis); HUMAN; IRON (blood); LACTATES (blood); NEUROLOGIC MANIFESTATIONS; PHENFORMIN (adverse effects, therapeutic use); PULMONARY EMBOLISM (etiology); THROMBOPENIA (etiology).

Rieger F

[DIFFUSION COEFFICIENTS AND SUPPLY RADII OF CAPILLARIES OF THE O₂-AND GLUCOSE METABOLISM IN THE DS-CARCINOSARCOMA (AUTHORS TRANSL.) Rieger F. *Arch Geschwulstforsch* 43: 52-5, 1974 (Ger)

ENGLISH ABSTRACT; RATS; ANIMAL EXPERIMENTS; CARCINOMA (metabolism, pathology, therapy); CAPILLARIES (metabolism, pathology); OXYGEN CONSUMPTION; GLUCOSE (metabolism); DIFFUSION; MATHEMATICS; NEOPLASMS, EXPERIMENTAL (metabolism, pathology, therapy); CELL TRANSFORMATION, NEOPLASTIC; ENERGY METABOLISM.

[GLUCOSE RETENTION AND GROWTH RATE OF TUMORS (AUTHORS TRANSL.) Rieger F. *Arch Geschwulstforsch* 43: 56-9, 1974 (Ger)

ENGLISH ABSTRACT; REVIEW; RATS; ANIMAL EXPERIMENTS; GLUCOSE (metabolism); NEOPLASMS, EXPERIMENTAL (metabolism, therapy); CELL TRANSFORMATION, NEOPLASTIC; MATHEMATICS; OXYGEN CONSUMPTION; ENERGY METABOLISM; CARCINOMA 256, WALKER (metabolism); FIBROSARCOMA (metabolism); CARCINOMA (metabolism); HEPATOMA (metabolism); LIVER NEOPLASMS (metabolism).

[TUMOUR CELL BALANCE AND SUPPLY OF SUBSTRATES (AUTHORS TRANSL.) von Ardenne M, Rieger F. *Arch Geschwulstforsch* 44: 25-46, 1974 (Ger)

Riemer D

[STUDIES ON THE MECHANISM OF NICOTINE-INDUCED LIPOLYSIS IN MAN] Ratzmann KP, Meyer LW, Riemer D. *Z Gesamte Inn Med* 29: 410-3, 15 May 74 (Ger)

Ries W

FEEDING BEHAVIOUR IN OBESITY. Ries W. *Proc Nutr Soc* 32: 187-93, Dec 73 (Eng) ADOLESCENCE; ADULT; MIDDLE AGE; AGED; HUMAN; MALE; FEMALE; FEEDING BEHAVIOR; OBESITY; AGE FACTORS; SEX FACTORS; NUTRITION SURVEYS; BODY WEIGHT; DIET; DIETARY FATS; ENERGY METABOLISM; ALCOHOLIC BEVERAGES; FRUIT; TIME FACTORS.

Riley SE

EFFECTS OF FRUCTOSE, SUCROSE AND GLUCOSE FEEDING ON PLASMA INSULIN CONCENTRATIONS AND ON ADIPOSE-TISSUE CLEARING-FACTOR LIPASE ACTIVITY IN THE RAT. Cryer A, Riley SE, Williams ER, Robinson DS. *Biochem J* 140: 561-63, Jun 74 (Eng)

Ringsdorf WM Jr

DRY SOCKET AND DYSGLYCEMIA. Ringsdorf WM Jr, Cheraskin E. *J Dent Res* 54: 184, Jan-Feb 75 (Eng) BLOOD SUGAR (analysis); DRY SOCKET (complications); FASTING; GLUCOSE TOLERANCE TEST; HUMAN; HYPERGLYCEMIA (complications); HYPOGLYCEMIA (complications).

Riniker B

[TOTAL SYNTHESIS OF HUMAN INSULIN UNDER DIRECTED FORMATION OF THE DISULFIDE BONDS] Sieber P, Kamber B, Hartmann A, Johl A, Riniker B, Rittel W. *Helv Chim Acta* 57: 2617-21, 1974 (Ger)

Rittel W

[TOTAL SYNTHESIS OF HUMAN INSULIN UNDER DIRECTED FORMATION OF THE DISULFIDE BONDS] Sieber P, Kamber B, Hartmann A, Johl A, Riniker B, Rittel W. *Helv Chim Acta* 57: 2617-21, 1974 (Ger)

Robberecht P

[STIMULATION OF CYCLIC AMP AND CYCLIC GMP IN RAT PANCREAS STIMULATED BY GASTRO-INTESTINAL HORMONES IN VIVO AND IN VITRO] Deschodt-Lanckman M, Robberecht P, De Neef P, Christophe J. *Arch Int Physiol Biochim* 82: 180, Feb 74 (Fre)

Robert-Baudouy J

[MUTANTS FOR THE HEXURONATE TRANSPORT SYSTEM IN ESCHERICHIA COLI K 12: PHYSIOLOGICAL AND GENETIC ANALYSIS] Nemoz G, Robert-Baudouy J, Stoeber F. *C R Acad Sci [D]* (Paris) 278: 675-8, 28 Jan 74 (Fre)

Roberts CF

THE ROLE OF MALIC ENZYME IN ASPERGILLUS NIDULANS. McCullough W, Roberts CF. *FEBS Lett* 41: 238-42, 1 May 74 (Eng)

Robinson DS

PHARMACOKINETIC MECHANISMS OF DRUG INTERACTIONS. Robinson DS. *Can Med Assoc J* 112: 55-62, 8 Feb 75 (Eng) AGED; CHEMISTRY, PHYSICAL; DRUG INTERACTIONS; DRUG THERAPY, COMBINATION (adverse effects); DRUGS (metabolism); ELECTROCHEMISTRY; FEMALE; GASTROINTESTINAL MOTILITY (drug effects); GASTROINTESTINAL SYSTEM (metabolism); HEMORRHAGE (chemically induced); HUMAN; HYDROGEN-ION CONCENTRATION; HYPERKALEMIA (chemically induced); HYPOGLYCEMIA

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EFFECTS OF FRUCTOSE, SUCROSE AND GLUCOSE FEEDING ON PLASMA INSULIN CONCENTRATIONS AND ON ADIPOSE-TISSUE CLEARING-FACTOR LIPASE ACTIVITY IN THE RAT. Cryer A, Riley SE, Williams ER, Robinson DS. *Biochem J* 140: 561-63, Jun 74 (Eng)

Rocheffort H

[REGULATION OF ESTROGEN RECEPTORS IN MAMMARY TUMORS: ACTION OF PROLACTIN IN VIVO] Vignon F, Rocheffort H. *C R Acad Sci [D]* (Paris) 278: 103-6, Jan 74 (Fre)

Rodbard D

MATHEMATICS OF HORMONE-RECEPTOR INTERACTION. I. BASIC PRINCIPLES. Rodbard D. *Adv Exp Med Biol* 36: 289-326, 1973 (Eng) ANIMAL EXPERIMENTS; COMPARATIVE STUDY; RECEPTORS, HORMONE, KINETICS; MATHEMATICS; MODELS, BIOLOGICAL; PROTEIN BINDING; BINDING SITES; PROTEINS (metabolism); COMPUTERS, DIGITAL; LIGANDS; EVALUATION STUDIES; HORMONES (metabolism); DOSE-RESPONSE RELATIONSHIP, DRUG; ISOTOPE LABELING; TIME FACTORS; METHODS.

THEORY OF HORMONE-RECEPTOR INTERACTION. 3. THE ENDOCRINE TARGET CELL AS A QUANTAL RESPONSE UNIT: A GENERAL CONTROL MECHANISM. Rodbard D. *Adv Exp Med Biol* 36: 342-64, 1973 (Eng) ANIMAL EXPERIMENTS; COMPARATIVE STUDY; RECEPTORS, HORMONE (drug effects); PROTEIN BINDING; BINDING SITES; MODELS, BIOLOGICAL; MATHEMATICS; ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); CORTICOTROPIN (pharmacodynamics); KINETICS.

THEORY OF RADIOIMMUNOASSAYS AND HORMONE-RECEPTOR INTERACTIONS. II. SIMULATION OF ANTIBODY DIVALENCY, COOPERATIVITY AND ALLOSTERIC EFFECTS. Rodbard D, Bertino RE. *Adv Exp Med Biol* 36: 327-41, 1973 (Eng) ANIMAL EXPERIMENTS; COMPARATIVE STUDY; RADIOIMMUNOASSAY; RECEPTORS, HORMONE; HORMONES (metabolism); PROTEIN BINDING; BINDING SITES; PROTEINS (metabolism); KINETICS; CORTICOTROPIN (metabolism); MATHEMATICS; MODELS, BIOLOGICAL; ANTIGENS; ANTIBODIES; LIGANDS; ALLOSTERIC REGULATION; TIME FACTORS; METHODS.

Rodesch F

[STIMULATION BY THYROTROPIN OF THYROID GLAND CALCIUM MOBILIZATION] Rodesch F, Bogaert C, Dumont JE. *C R Acad Sci [D]* (Paris) 278: 931-4, 11 Feb 74 (Fre) DOGS; ANIMAL EXPERIMENTS; CALCIUM (metabolism); THYROID GLAND (metabolism); BIOLOGICAL TRANSPORT (drug effects); PROSTAGLANDINS (pharmacodynamics); CYTOTHALASIN B (pharmacodynamics); DIBUTYRYL CYCLIC AMP (pharmacodynamics); KINETICS; CALCIUM RADIOISOTOPES; THYROTROPIN (pharmacodynamics).

Rodrigues A

[ASPECTS OF AEROBIC RESPIRATION IN THE HEART AND AORTIC WALL IN THE EXPERIMENTAL RABBIT ATHEROSCLEROSIS (AUTHORS TRANSL.) Pinto G, Erlon L, Rodrigues A, Nery JW, Machado AE. *Rev Bras Pesqui Med Biol* 7: 133-8, Mar-Apr 74 (Por)

Roger M

[LETTER: FALL IN PLASMA TESTOSTERONE LEVELS DURING ORAL GLUCOSE TOLERANCE TEST] Cathelineau G, Roger M, Soldat MC *Nouv Presse Med* 3: 2109, 5 Oct 74 (Fre)

Rogers HJ

PEPTIDOGLYCANS (MUCOPEPTIDES): STRUCTURE, FUNCTION, AND VARIATIONS. Rogers HJ *Ann NY Acad Sci* 235: 29-51, 10 May 74 (Eng) [125]
REVIEW; PEPTIDOGLYCAN (analysis); CHEMISTRY; BACTERIA (analysis, cytology); POLYSACCHARIDES; ARTHROBACTER (cytology); PEPTIDES; MURAMIC ACID; AMINO ACIDS (analysis); SPECIES SPECIFICITY; GENETICS; MICROBIAL; POLYMERS; MOLECULAR CONFORMATION; GRAM POSITIVE BACTERIA (cytology); WATER (metabolism); CELL WALL; CELL DIVISION; MEMBRANES; MUTATION; CYTOPLASM (physiology); TEICHOIC ACIDS (metabolism); CULTURE MEDIA; TEMPERATURE; L FORMS.

Roginsky MS

MICROCIRCULATION IN DIABETES MELITUS: A STUDY OF GINGIVAL BIOPSIES. Lin JH, Duffy JL, Roginsky MS *Hum Pathol* 6: 77-96, Jan 75 (Eng)

Roine K

A STUDY OF THE EFFECTS OF NICOTINIC ACID IN CATTLE, WITH SPECIAL REFERENCE TO KETOSIS THERAPY. Nurmio P, Roine K, Juoksiahti T, Loman A *Nord Vet Med* 26: 370-81, Jun 74 (Eng)

Romanova EV

[AGE CHARACTERISTICS OF LIPID METABOLISM IN HEALTHY PERSONS AND ARTERIOSCLEROTIC PATIENTS] Korneenkova AA, Romanova EV, Sartae EB, Konina MN *Kardiologiya* 14: 122-4, May 74 (Rus)

Romeo D

PERTURBATION OF LEUKOCYTE METABOLISM BY NONPHAGOCYTOSABLE CONCAVALIN A-COUPLED BEADS. Romeo D, Jug M, Zabucchi G, Rossi F *FEBS Lett* 42: 90-3, 15 May 74 (Eng)
GUINEA PIGS; RABBITS; ANIMAL EXPERIMENTS; COMPARATIVE STUDY; LEUKOCYTES (metabolism, drug effects, cytology); MACROPHAGES (metabolism, drug effects, cytology); CONCAVALIN A (pharmacodynamics); POLYSACCHARIDES; PROTEIN BINDING; SOLUBILITY; PHAGOCYTOSIS; THIOCYANATES; SPECTROMETRY, FLUORESCENCE; CYANOGEN BROMIDE; FLUORESCINS; KINETICS; MICROSCOPY, PHASE CONTRAST; BLOOD SUGAR (metabolism); CARBON RADIOISOTOPES; OXIDATION-REDUCTION.

Romero PJ

THE ROLE OF MEMBRANE-BOUND MAGNESIUM IN THE PERMEABILITY OF GHOSTS TO K⁺. Romero PJ *Biochim Biophys Acta* 339: 116-25, 26 Feb 74 (Eng)
HUMAN; IN VITRO; COMPARATIVE STUDY; MAGNESIUM (pharmacodynamics, metabolism); POTASSIUM (blood); ERYTHROCYTES (metabolism, drug effects, cytology); RECEPTORS, DRUG (drug effects); CELL MEMBRANE (metabolism, drug effects); CELL MEMBRANE PERMEABILITY; HYPOTONIC SOLUTIONS; HYDROGEN-ION CONCENTRATION; HEMOGLOBIN (metabolism); PHOTOMETRY; SPECTROPHOTOMETRY, ATOMIC ABSORPTION; PROTEIN BINDING; BINDING SITES.

Rommerts FF

THE ROLE OF CYCLIC AMP IN THE REGULATION OF STEROID BIOSYNTHESIS IN TESTIS TISSUE. Rommerts FF, Cooke BA, Molen HJ van der *J Steroid Biochem* 5: 279-85, May 74 (Eng) [94]
REVIEW; ANIMAL EXPERIMENTS; HUMAN; MALE; COMPARATIVE STUDY; ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics, metabolism); TESTIS (metabolism, drug effects, cytology); TESTOSTERONE (biosynthesis); STEROIDS (biosynthesis); MITOCHONDRIA (metabolism); MODELS, BIOLOGICAL; CELL MEMBRANE (metabolism); OXYGEN CONSUMPTION; ADIPOSE TISSUE (metabolism); KINETICS; RECEPTORS, HORMONE; DIBUTYRYL CYCLIC AMP (pharmacodynamics); POLYRIBOSOMES (metabolism); GONADOTROPINS, CHORIONIC (pharmacodynamics); ADENYL CYCLASE (metabolism); HYDROXYSTEROIDS (biosynthesis); FSH (pharmacodynamics); LH (pharmacodynamics).

Roques JC

[ULTRASTRUCTURAL STUDY OF PHERIPHERAL NERVE IN 16 DIABETICS WITHOUT NEUROPATHY. COMPARISONS WITH 16 DIABETIC NEUROPATHIES AND 16 NON-DIABETIC NEUROPATHIES (AUTHORS TRANSL)] Vital C, Le Blanc M, Vallat JM, Cocquet M, Vallat M, Roques JC *Acta Neuropathol (Berl)* 30: 63-72, 1974 (Fre)

Rose IA

DETERMINATION OF THE RATE OF HEXOKINASE-GLUCOSE DISSOCIATION BY THE ISOTOPE-TRAPPING METHOD. Rose IA, O'Connell EL, Litwin S *J Biol Chem* 249: 5163-8, 25 Aug 74 (Eng)
COMPARATIVE STUDY; HEXOKINASE (metabolism); GLUCOSE; PROTEIN BINDING; BINDING SITES; ISOTOPE LABELING; SACCHAROMYCES CEREVISIAE (enzymology); KINETICS; MAGNESIUM; ADENOSINE TRIPHOSPHATE; CARBON RADIOISOTOPES; PHOSPHORUS RADIOISOTOPES; GLUCOSEPHOSPHATES (analysis); CHROMATOGRAPHY, ION EXCHANGE; GLUCOSEPHOSPHATE DEHYDROGENASE; MATHEMATICS; ISOENZYMES (metabolism); SPECTROPHOTOMETRY, ULTRAVIOLET; TIME FACTORS.

Rosell S

ADIPOSE TISSUE AND HEMORRHAGIC SHOCK. Rosell S, Sandor P, Kovach AG *Adv Exp Med Biol* 33: 323-36, 1972 (Eng)
DOGS; ANIMAL EXPERIMENTS; ADIPOSE TISSUE (metabolism, innervation, blood supply); SHOCK, HEMORRHAGIC (metabolism); FATTY ACIDS, NONESTERIFIED (metabolism); ELECTRIC STIMULATION; SYMPATHETIC NERVOUS SYSTEM (physiology); RECEPTORS, ADRENERGIC; EPINEPHRINE (pharmacodynamics); NOREPINEPHRINE (pharmacodynamics); REGIONAL BLOOD FLOW; PHENOXYBENZAMINE (pharmacodynamics); GLYCERIN (metabolism); LACTATES (metabolism); OXYGEN CONSUMPTION; PYRUVATES (metabolism); HYDROGEN-ION CONCENTRATION; ISOPROTERENOL (pharmacodynamics).
INFLUENCE OF ENDOTOXIN ON ADIPOSE TISSUE METABOLISM. Spitzer JA, Kovach AG, Rosell S, Sandor P, Spitzer JJ, Storck R *Adv Exp Med Biol* 33: 337-44, 1972 (Eng)

Rosenberg P

EFFECT OF PHOSPHOLIPASES A AND C ON FREE AMINO ACID CONTENT OF THE SQUID AXON. Rosenberg P, Khairallah EA *J Neurochem* 23: 55-64, Jul 74 (Eng)

ANIMAL EXPERIMENTS; COMPARATIVE STUDY; PHOSPHOLIPASE (pharmacodynamics); LYSOLECITHIN (pharmacodynamics); AMINO ACIDS (metabolism); AXONS (metabolism, drug effects); SQUID; LECITHINS (metabolism); CEPHALINS (metabolism); SPHINGOMYELINS (metabolism); SEAWATER; AMMONIA (metabolism); MEMBRANES (metabolism, drug effects); ORGANOIDS (metabolism, drug effects).

Rosenbloom AL

THE EFFECT OF ACUTE FASTING ON SLEEP AND THE SLEEP-GROWTH HORMONE RESPONSE. Karacan I, Rosenbloom AL, Londo JH, Salis PJ, Thornby JI, Williams RL *Psychosomatics* 14: 33-7, Jan-Feb 73 (Eng)

Rosival V

[CONTRIBUTION OF THE WORK OF PROF. J. SYLLABA: TREATMENT OF DIABETIC COMA BASED ON OWN EXPERIENCES. PROJECT FOR THE UNIFICATION OF TREATMENT. VNITRNI LEK. 20,1974;7; P.686-93] Pav J, Rosival V *Vnitř Lek* 20: 1215-8, Dec 74 (Cze)

Ross HW

THE TECUMSEH STUDY OF RESPIRATORY ILLNESS. VIII. ACUTE INFECTION IN CHRONIC RESPIRATORY DISEASE AND COMPARISON GROUPS. Monto AS, Higgins MW, Ross HW *Am Rev Respir Dis* 111: 27-36, Jan 75 (Eng)

Rosselin G

INTERACTION OF AMINO ACIDS AND CYCLIC AMP ON THE RELEASE OF INSULIN AND GLUCAGON BY NEWBORN RAT PANCREAS. Jarrousse C, Rosselin G *Endocrinology* 96: 168-77, Jan 75 (Eng)

Rossi E

[USE OF ELECTRONIC COMPUTERS FOR QUALITY CONTROL OF SOME LABORATORY TESTS MADE WITH CONTINUOUS-FLOW APPARATUS] Rossi E *Quad Scavo Diagn* 9: 819-36, Sep 73 (Ita)
ENGLISH ABSTRACT; DIAGNOSIS, LABORATORY; QUALITY CONTROL; DIAGNOSIS, COMPUTER ASSISTED; BLOOD SUGAR (analysis); BLOOD UREA NITROGEN (analysis); NITROGEN (blood); ENZYME TESTS; COMPUTERS, DIGITAL.

Rossi F

PERTURBATION OF LEUKOCYTE METABOLISM BY NONPHAGOCYTOSABLE CONCAVALIN A-COUPLED BEADS. Romeo D, Jug M, Zabucchi G, Rossi F *FEBS Lett* 42: 90-3, 15 May 74 (Eng)

Rossignol B

THE CALCIUM IONOPHORE A 23 187 AS A PROBE FOR STUDYING THE ROLE OF CA²⁺ IONS IN THE MEDIATION OF CARBACHOL EFFECTS ON RAT SALIVARY GLANDS: PROTEIN SECRETION AND METABOLISM OF PHOSPHOLIPIDS AND GLYCOCEN. Rossignol B, Herman G, Chambaut AM, Keryer G *FEBS Lett* 43: 241-6, 15 Jul 74 (Eng)
RATS; ANIMAL EXPERIMENTS; MALE; CALCIUM (metabolism); ANTIBIOTICS (pharmacodynamics); SUBMANDIBULAR GLAND (metabolism, drug effects, secretion); PAROTID GLAND (metabolism, drug effects, secretion); CARBACHOL (pharmacodynamics); PHOSPHOLIPIDS (biosynthesis); PROTEINS (secretion, biosynthesis); GLYCOCEN (biosynthesis); CARBOXYLIC ACIDS (pharmacodynamics); PHOSPHATES (metabolism); LEUCINE (metabolism); PHOSPHOPROTEINS (biosynthesis); CARBON RADIOISOTOPES; KINETICS; PHOSPHORUS

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Rossini AA

RADIOISOTOPES; THEOPHYLLINE (pharmacodynamics); DIBUTYRYL CYCLIC AMP (pharmacodynamics); GLUCOSE (metabolism); GUANOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); TIME FACTORS.

Rossini AA

THE EFFECT OF GLUCOSE ANOMERS UPON INSULIN AND GLUCAGON SECRETION. Rossini AA, Soeldner JS, Hiebert JM, Weir GC, Gleason RE *Diabetologia* 10: 795-9, Dec 74 (Eng)

ANIMAL EXPERIMENTS; BLOOD SUGAR (metabolism); DOGS; GLUCAGON (secretion); GLUCOSE (pharmacodynamics); INJECTIONS, INTRAVENOUS; INSULIN (secretion, blood); ISOMERISM; MALE; PANCREAS (drug effects); PERFUSION; RATS.

A CASE OF LIPOATROPHIC DIABETES. Griffiths HJ, Rossini AA *Radiology* 114: 329-30, Feb 75 (Eng)

Roustan C

YEAST HEXOKINASE: INTERACTION WITH SUBSTRATES AND ANALOGS STUDIED BY DIFFERENCE SPECTROPHOTOMETRY. Roustan C, Brevet A, Pradel LA, Thoai N van *Eur J Biochem* 44: 353-8, 15 May 74 (Eng)

SACCHAROMYCES CEREVISIAE (enzymology); HEXOKINASE (metabolism); SPECTROPHOTOMETRY, ULTRAVIOLET; BINDING SITES; MACROMOLECULAR SYSTEMS; ADENOSINE TRIPHOSPHATE (metabolism); MAGNESIUM (metabolism); NUCLEOTIDES (metabolism); GLUCOSE (metabolism); XYLOSE (metabolism); FRUCTOSE (metabolism); MOLECULAR CONFORMATION; PENTOSE (metabolism).

Rovensky J

[EXSUDATIVE PLEURISY IN RHEUMATOID ARTHRITIS] Hajzok O, Hajzokova M, Zitnan D, Rovensky J *Z Rheumatol* 33: 198-205, May-Jun 74 (Ger)

Rozhko OT

[LEUCINE-C14 INCORPORATION INTO RAT SOMATOTROPIC HORMONE DEPENDING ON THE LEVEL OF THYROID HORMONES IN THE BODY] Martynenko FP, Rozhko OT, Novikova NP *Probl Endokrinol (Mosk)* 20: 107-10, Jan-Feb 74 (Rus)

Rozhnov AA

[SOMATOTROPIN AND NONESTERIFIED FATTY ACID CONTENT DURING THE STANDARD GLUCOSE TOLERANCE TEST IN CHILDREN AND ADOLESCENTS FROM FAMILIES WITH THE HISTORY OF DIABETES MELLITUS] Stufli LA, Balabolkin MI, Rozhnov AA, Kasatkina IN, Smirnova LK *Probl Endokrinol (Mosk)* 20: 3-7, Sep-Oct 74 (Rus)

Ruderman NB

ENZYMES OF CARBOHYDRATE AND FAT METABOLISM IN ANTI-INSULIN SERUM DIABETES; INACTIVATION BY FREE FATTY ACIDS AND THE PROTECTIVE EFFECT OF CELLULAR PROTEIN. Shafir E, Ruderman NB *Diabetologia* 10: 731-42, Dec 74 (Eng)

Rudloff V

EFFECT OF TEMPERATURE ON SULFATE MOVEMENTS ACROSS CHEMICALLY OR ENZYMATICALLY MODIFIED MEMBRANES OF HUMAN RED BLOOD CELLS. Schwoeg G, Rudloff V, Wood-Guth I, Passow H *Biochim Biophys Acta* 339: 126-38, 26 Feb 74 (Eng)

Runyan JW Jr

THE MEMPHIS CHRONIC DISEASE PROGRAM. COMPARISONS IN OUTCOME AND

THE NURSES EXTENDED ROLE. Runyan JW Jr *JAMA* 231: 264-7, 20 Jan 75 (Eng)

ADOLESCENCE; ADULT; AGED; BLOOD PRESSURE; BLOOD SUGAR (analysis); CHILD; CHRONIC DISEASE; COMPARATIVE STUDY; COMPREHENSIVE HEALTH CARE; DIABETES MELLITUS (therapy, complications); FEMALE; HEALTH FACILITIES (utilization); HEART DISEASES (therapy, complications); HOSPITAL OUTPATIENT CLINICS; HUMAN; HYPERTENSION (therapy, complications); MALE; MIDDLE AGE; NURSES (utilization); REGIONAL MEDICAL PROGRAMS; TENNESSEE.

Russo P

SERUM CHOLESTEROL AND SERUM TRIGLYCERIDE LEVELS IN AUSTRALIAN ADOLESCENT MALES. Hickie JB, Sutton J, Russo P, Ruys J, Kraegen EW *Med J Aust* 1: 825-8, 25 May 74 (Eng)

Ruys J

SERUM CHOLESTEROL AND SERUM TRIGLYCERIDE LEVELS IN AUSTRALIAN ADOLESCENT MALES. Hickie JB, Sutton J, Russo P, Ruys J, Kraegen EW *Med J Aust* 1: 825-8, 25 May 74 (Eng)

Beck CH Jr

AMINO ACID METABOLISM IN ACUTE RENAL FAILURE: INFLUENCE OF INTRAVENOUS ESSENTIAL L-AMINO ACID HYPERALIMENTATION THERAPY. Abel RM, Shih VE, Abbott WM, Beck CH Jr, Fischer JE *Ann Surg* 180: 350-5, Sep 74 (Eng)

Benson JW Jr

GLUCOSE UTILIZATION BY SWEAT GLANDS DURING FASTING IN MAN. Benson JW Jr, Buja ML, Thompson RH, Gordon RS Jr *J Invest Dermatol* 63: 287-91, Sep 74 (Eng)

HUMAN; MALE; FEMALE; GLUCOSE (metabolism, administration & dosage); SWEAT GLANDS (metabolism, cytology); FASTING; ENVIRONMENT, CONTROLLED; GLYCOGEN (metabolism); HEAT; HUMIDITY; CARBON RADIOISOTOPES; INJECTIONS, INTRAVENOUS; SODIUM (metabolism); CHLORIDES (metabolism); LACTATES (metabolism); TIME FACTORS.

Deenen LL van

POLYENE ANTIBIOTIC-STEROL INTERACTIONS IN MEMBRANES OF ACHOLEPLASMA LAIDLAWII CELLS AND LECITHIN LIPOSOMES. I. SPECIFICITY OF THE MEMBRANE PERMEABILITY CHANGES INDUCED BY THE POLYENE ANTIBIOTICS. Kruijff B de, Gerritsen WJ, Oerlemans A, Demel RA, Deenen LL van *Biochim Biophys Acta* 339: 30-43, 26 Feb 74 (Eng)

POLYENE ANTIBIOTIC-STEROL INTERACTIONS IN MEMBRANES OF ACHOLEPLASMA LAIDLAWII CELLS AND LECITHIN LIPOSOMES. II. TEMPERATURE DEPENDENCE OF THE POLYENE ANTIBIOTIC-STEROL COMPLEX FORMATION. Kruijff B de, Gerritsen WJ, Oerlemans A, Dijk PW van, Demel RA, Deenen LL van *Biochim Biophys Acta* 339: 44-56, 26 Feb 74 (Eng)

Dijk PW van

POLYENE ANTIBIOTIC-STEROL INTERACTIONS IN MEMBRANES OF ACHOLEPLASMA LAIDLAWII CELLS AND LECITHIN LIPOSOMES. II. TEMPERATURE DEPENDENCE OF THE POLYENE ANTIBIOTIC-STEROL COMPLEX FORMATION. Kruijff B de, Gerritsen WJ, Oerlemans A, Dijk PW van, Demel RA, Deenen LL van *Biochim Biophys Acta* 339: 44-56, 26 Feb 74 (Eng)

Fiser RH Jr

INSULIN-GLUCAGON SUBSTRATE INTERRELATIONS IN THE FETAL SHEEP. Fiser RH Jr, Erenberg A, Sperling MA, Oh W, Fisher DA *Pediatr Res* 8: 951-5, Dec 74 (Eng)

ALANINE (pharmacodynamics); ANIMAL EXPERIMENTS; BLOOD SUGAR (analysis); FETUS; GESTATIONAL AGE; GLUCAGON (secretion, blood); GLUCONEOGENESIS; GLUCOSE (pharmacodynamics); INSULIN (secretion, blood); ISLANDS OF LANGERHANS (drug effects); PERFUSION; SHEEP.

Gaspar R Jr

QUANTUM CHEMICAL STUDY OF GLUCOSE, G-1-P AND G-6-P MOLECULES AS THE EFFECTORS OF AN ENZYME. Gaspar R Jr *Acta Biochim Biophys Acad Sci Hung* 7: 275-84, 1972 (Eng)

COMPARATIVE STUDY; GLUCOSE; GLUCOSEPHOSPHATES (pharmacodynamics); GLYCOGEN PHOSPHORYLASE (antagonists & inhibitors, metabolism); QUANTUM THEORY; PROTEIN BINDING; BINDING SITES; PROTEIN CONFORMATION; MOLECULAR CONFORMATION; MATHEMATICS; COMPUTERS, DIGITAL.

Gordon RS Jr

GLUCOSE UTILIZATION BY SWEAT GLANDS DURING FASTING IN MAN. Benson JW Jr, Buja ML, Thompson RH, Gordon RS Jr *J Invest Dermatol* 63: 287-91, Sep 74 (Eng)

Gregory RP 4th

A CENTRIFUGAL ANALYZER WITH A NEW ALL-DIGITAL MEASUREMENT SYSTEM. Avery J, Gregory RP 4th, Renoe BW, Woodruff T, Malmstadt HV *Clin Chem* 20: 942-49, Aug 74 (Eng)

A VERSATILE MINIDISC MODULE FOR A CENTRIFUGAL ANALYZER. Renoe BW, Gregory RP 4th, Avery J, Malmstadt HV *Clin Chem* 20: 955-60, Aug 74 (Eng)

INCORPORATION OF A HIGH-SPEED DECIMAL DATA PROCESSOR INTO A CENTRIFUGAL ANALYZER. Gregory RP 4th, Avery J, Renoe BW, Dryden PC, Malmstadt HV *Clin Chem* 20: 950-4, Aug 74 (Eng)

COMPARATIVE STUDY; CENTRIFUGATION (instrumentation); COMPUTERS, DIGITAL; AUTOANALYSIS (instrumentation); SPECTROPHOTOMETRY; BLOOD SUGAR; METHODS.

Kruijff B de

POLYENE ANTIBIOTIC-STEROL INTERACTIONS IN MEMBRANES OF ACHOLEPLASMA LAIDLAWII CELLS AND LECITHIN LIPOSOMES. I. SPECIFICITY OF THE MEMBRANE PERMEABILITY CHANGES INDUCED BY THE POLYENE ANTIBIOTICS. Kruijff B de, Gerritsen WJ, Oerlemans A, Demel RA, Deenen LL van *Biochim Biophys Acta* 339: 30-43, 26 Feb 74 (Eng)

MYOPLASMA LAIDLAWII (metabolism, cytology, drug effects); CELL MEMBRANE (metabolism, drug effects); ANTIBIOTICS (pharmacodynamics); ANTIFUNGAL (pharmacodynamics); POLYENES (pharmacodynamics); AMPHOTERICIN B (pharmacodynamics); NYSTATIN (pharmacodynamics); PIMARICIN (pharmacodynamics); STEROLS (metabolism); CHOLESTEROL (metabolism); STREPTOMYCES; RECEPTORS, DRUG (drug effects); LECITHINS; LIPOSOMES; GLUCOSEPHOSPHATE DEHYDROGENASE (metabolism); POTASSIUM (metabolism); SPECTROPHOTOMETRY, ULTRAVIOLET; GLUCOSE (metabolism); CELL MEMBRANE PERMEABILITY; TIME FACTORS; LACTONES (pharmacodynamics); FATTY ACIDS, UNSATURATED (pharmacodynamics); KINETICS.

POLYENE ANTIBIOTIC-STEROL INTERACTIONS IN MEMBRANES OF ACHOLEPLASMA LAIDLAWII CELLS AND LECITHIN LIPOSOMES. 3. MOLECULAR STRUCTURE OF THE POLYENE ANTIBIOTIC-CHOLESTEROL COMPLEXES. Kruijff B de, Demel RA *Biochim Biophys Acta* 339: 57-70, 26 Feb 74 (Eng)

MYCOPLASMA LAIDLAWII (metabolism, cytology); RECEPTORS, DRUG; CHOLESTEROL; POLYENES; ANTIBIOTICS; MOLECULAR CONFORMATION; BINDING SITES; AMPHOTERICIN B; NYSTATIN; PIMARICIN; CELL MEMBRANE (metabolism); STRUCTURE-ACTIVITY RELATIONSHIP; STREPTOMYCIN; PERMEABILITY; MODELS, STRUCTURAL; MODELS, BIOLOGICAL; CALORIMETRY; LIPOSOMES; SPECTROMETRY, FLUORESCENCE; SPECTROPHOTOMETRY, ULTRAVIOLET.

POLYENE ANTIBIOTIC-STEROL INTERACTIONS IN MEMBRANES OF ACHOLEPLASMA LAIDLAWII CELLS AND LECITHIN LIPOSOMES. II. TEMPERATURE DEPENDENCE OF THE POLYENE ANTIBIOTIC-STEROL COMPLEX FORMATION. Kruijff B de, Gerritsen WJ, Oerlemans A, Dijk PW van, Demel RA, Deenen LL van *Biochim Biophys Acta* 339: 44-56, 26 Feb 74 (Eng)

MYCOPLASMA LAIDLAWII (metabolism, cytology, drug effects); RECEPTORS, DRUG (drug effects); STEROLS (metabolism); POLYENES (pharmacodynamics); ANTIBIOTICS (pharmacodynamics); AMPHOTERICIN B (pharmacodynamics); PALMITIC ACID (metabolism); NYSTATIN (pharmacodynamics); CARBON RADIOISOTOPES; PIMARICIN (pharmacodynamics); CALORIMETRY; ADENOSINE TRIPHOSPHATASE (metabolism); POTASSIUM (metabolism); TEMPERATURE; MICROSCOPY, ELECTRON; KINETICS; FREEZE ETCHING; BINDING SITES; SPECTROPHOTOMETRY, ULTRAVIOLET; CHOLESTEROL (metabolism); CELL MEMBRANE (metabolism, drug effects); TIME FACTORS.

Miller JA Jr

MECHANISMS OF HYPOTHERMIC PROTECTION AGAINST ANOXIA. Miller JA Jr, Miller FS *Adv Exp Med Biol* 33: 571-86, 1972 (Eng)

INFANT, NEWBORN; DOGS; GUINEA PIGS; ANIMAL EXPERIMENTS; HUMAN; HYPOTHERMIA, INDUCED; ANOXIA (physiopathology, prevention & control); ASPHYXIA (physiopathology, metabolism, therapy); COLD; OXYGEN CONSUMPTION; HYPOTHERMIA (metabolism); BLOOD CHEMICAL ANALYSIS; MYOCARDIUM (pathology); HYPERCAPNIA (physiopathology); BODY TEMPERATURE; BLOOD VOLUME; HYDROGEN-ION CONCENTRATION; BLOOD SUGAR; TIME FACTORS; ASPHYXIA NEONATORUM (therapy).

Molen HJ van der

THE ROLE OF CYCLIC AMP IN THE REGULATION OF STEROID BIOSYNTHESIS IN TESTIS TISSUE. Rommerts FF, Cooke BA, Molen HJ van der *J Steroid Biochem* 5: 279-85, May 74 (Eng) [94]

Morse PD 2d

RECOMBINATION OF HUMAN ERYTHROCYTE APOPROTEIN AND LIPID. II. VISUALIZATION OF APOPROTEIN-LIPID BILAYER COMPLEX BY FREEZE-ETCHING. Wehrli E, Morse PD 2d *J Supramol Struct* 2: 71-8, 1974 (Eng)

Muralt A von

PERIPHERAL BLOOD PHAGOCYTE DYSFUNCTION IN CHILDREN WITH KWASHIORKOR. Schopfer K, Muralt A von *Bull Ist Sieroter Milan* 53: suppl0241-4, 1974 (Eng)

Scott HL Jr

A MODEL FOR PHASE TRANSITIONS IN LIPID BILAYERS AND BIOLOGICAL MEMBRANES. Scott HL Jr *J Theor Biol* 46: 241-53, Jul 74 (Eng)

MODELS, BIOLOGICAL; MEMBRANES; LIPIDS; CHEMISTRY, PHYSICAL; MEMBRANES, ARTIFICIAL.

Thoai N van

YEAST HEXOKINASE: INTERACTION WITH SUBSTRATES AND ANALOGS STUDIED BY DIFFERENCE SPECTROPHOTOMETRY. Roustan C, Brevet A, Pradel LA, Thoai N van *Eur J Biochem* 44: 353-8, 15 May 74 (Eng)

Veselov Ila

[BIOSYNTHESIS OF GLYCOSYLTRANSFERASE BY ENDOMYCOPSIS FIBULIGERA IN SUBMERGED CULTURE] Veselov Ila, Georgieva SI, Gracheva IM, Sadov AI *Mikrobiologiya* 43: 395-9, 1974 (Rus)

ENGLISH ABSTRACT:

GLUCOSYLTRANSFERASES (biosynthesis); ASCOMYCETES (enzymology); CULTURE MEDIA; AMYLASE (biosynthesis); GLUCOSIDASE (biosynthesis); MALTOSE (biosynthesis); CHROMATOGRAPHY, THIN LAYER; TIME FACTORS; HYDROGEN-ION CONCENTRATION.

Werder K von

[PROCEEDINGS: DYNAMICS OF GROWTH HORMONE SECRETION IN ACROMEGALY AND NORMAL ANTERIOR PITUITARY GLAND FUNCTION] Huff H, Werder K von *Munch Med Wochenschr* 116: 1107, 31 May 74 (Ger)

Worthington WC Jr

ULTRASTRUCTURAL OBSERVATIONS OF ANTERIOR PITUITARY SOMATOTROPHS FOLLOWING PITUITARY PORTAL VESSEL INFUSION OF DIBUTYRYL CAMP. Wilbur DL, Worthington WC Jr, Markwald RR *Am J Anat* 141: 139-45, Sep 74 (Eng)

Sable HZ

LETTER: TRANSPORT OF ORGANIC ACIDS ACROSS CELL MEMBRANE. Sable HZ *N Engl J Med* 291: 582, 12 Sep 74 (Eng)

HUMAN; ACIDS (metabolism); ACIDOSIS (metabolism); DIFFUSION; CELL MEMBRANE PERMEABILITY; ACID-BASE EQUILIBRIUM.

Sachar EJ

GROWTH HORMONE RESPONSES TO HYPOGLYCEMIA IN POSTMENOPAUSAL DEPRESSED WOMEN. Gruen PH, Sachar EJ, Altman N, Sassini J *Arch Gen Psychiatry* 32: 31-3, Jan 75 (Eng)

Sackmann E

LATERAL DIFFUSION IN THE HYDROPHOBIC REGION OF MEMBRANES: USE OF PYRENE EXCIMER AS OPTICAL PROBES. Galla HJ, Sackmann E *Biochim Biophys Acta* 339: 103-15, 26 Feb 74 (Eng)

Sacktor B

TRANSPORT OF D-GLUCOSE BY BRUSH BORDER MEMBRANES ISOLATED FROM THE RENAL CORTEX. Aronson PS, Sacktor B *Biochim Biophys Acta* 356: 231-43, 31 Jul 74 (Eng)

Sadov AI

[BIOSYNTHESIS OF GLYCOSYLTRANSFERASE BY ENDOMYCOPSIS FIBULIGERA IN SUBMERGED CULTURE] Veselov Ila, Georgieva SI, Gracheva IM, Sadov AI *Mikrobiologiya* 43: 395-9, 1974 (Rus)

Saenger P

LETTER: GROWTH WITH ABSENT GROWTH HORMONE BY RADIOIMMUNOASSAY. Saenger P, Levine LS, Wiedemann E, Schwartz E, New MI *J Pediatr* 85: 137-8, Jul 74 (Eng)

ADOLESCENCE; HUMAN; MALE; GROWTH; SOMATOTROPIN (secretion); RADIOIMMUNOASSAY; CHORDOMA (surgery); PITUITARY NEOPLASMS (surgery); PROLACTIN (secretion); SOMATOMEDIN (secretion).

Sagreiya K

HYPERGLYCEMIA IN THE NEWBORN. Kumari S, Sagreiya K, Bhargava SK *Indian Pediatr* 11: 581-3, Aug 74 (Eng)

Saito R

[WDHA (WATERY DIARRHEA, HYPOKALEMIA, A CHLORHYDRIA) SYNDROME] Saito R, Himeno S, Toei N *Jap J Clin Med* 32: 711-8, 10 Apr 74 [Jap] [38]

REVIEW; HUMAN; MALE; FEMALE; ISLET CELL TUMOR (complications, therapy); PANCREATIC NEOPLASMS (complications, therapy); DIARRHEA (etiology); HYPOKALEMIA (etiology); ACHLORHYDRIA (etiology); HYPERCALCEMIA (etiology); BLOOD SUGAR (analysis); SKIN MANIFESTATIONS; PROGNOSIS; SECRETIN (secretion); SYNDROME; PEPTIDES (secretion); GASTROINTESTINAL HORMONES (secretion).

Salis PJ

THE EFFECT OF ACUTE FASTING ON SLEEP AND THE SLEEP-GROWTH HORMONE RESPONSE. Karacan I, Rosenbloom AL, Londono JH, Salis PJ, Thornby JI, Williams RL *Psychosomatics* 14: 33-7, Jan-Feb 73 (Eng)

Sandor A

DEMONSTRATION OF AN ENZYMATIC TRANSFER REACTION BETWEEN BETA-METHYL-CROTONYL-COENZYME A AND L-CARNITINE. Alkonyi I, Sandor A *Acta Biochim Biophys Acad Sci Hung* 7: 149-50, 1972 (Eng)

Sandor P

ADIPOSE TISSUE AND HEMORRHAGIC SHOCK. Rosell S, Sandor P, Kovach AG *Adv Exp Med Biol* 33: 323-36, 1972 (Eng)

INFLUENCE OF ENDOTOXIN ON ADIPOSE TISSUE METABOLISM. Spitzer JA, Kovach AG, Rosell S, Sandor P, Spitzer JJ, Storck R *Adv Exp Med Biol* 33: 337-44, 1972 (Eng)

Sapir DG

RENAL CONSERVATION OF KETONE BODIES DURING STARVATION. Sapir DG, Owen OE *Metabolism* 24: 23-33, Jan 75 (Eng)

ACETOACETATES (metabolism, urine); ADULT; BODY HEIGHT; BODY WEIGHT; COMPARATIVE STUDY; FEMALE; GLOMERULAR FILTRATION RATE; HUMAN; HYDROGEN-ION CONCENTRATION; HYDROXYBUTYRATES (metabolism, urine); HYPERTENSION (metabolism, complications); INULIN (metabolism); KIDNEY (metabolism); MALE; MIDDLE AGE; OBESITY IN DIABETES (metabolism); OBESITY (metabolism, complications); STARVATION; TIME FACTORS; UNITED STATES GOVERNMENT SUPPORTED, N.I.H..

Sarramon MF

[VALUE OF ANATOMOPATHOLOGICAL EXAMINATION OF THE PLACENTA DURING THE LAST TRIMESTER OF PREGNANCY] Monrozies M, Sarramon MF *Cah Med* 15: 283-7, 15 Jun 74 (Fre)

Sartaev EB

[AGE CHARACTERISTICS OF LIPID METABOLISM IN HEALTHY PERSONS AND

Diabetes Literature—Author Index

Saruya S

ARTERIOSCLEROTIC PATIENTS] Korneenkova AA, Romanova EV, Sartaez EB, Konina MN *Kardiologiya* 14: 122-4, May 74 (Rus)

Saruya S

[EFFECTS OF PHOTOCOAGULATION ON THE VELOCITY OF RETINAL CIRCULATION IN DIABETIC RETINOPATHY (AUTHORS TRANSL)] Okano T, Horiuchi T, Saruya S, Sukegawa Y *Acta Soc Ophthalmol Jpn* 78: 926-38, 10 Sep 74 (Jpn)

Sasaki GH

PROLACTIN STIMULATION OF ESTROGEN RECEPTOR IN VITRO IN 7,12 DIMETHYLBENZ(A)ANTHRACENE-INDUCED MAMMARY TUMOR. Sasaki GH, Leung BS *Res Commun Chem Pathol Pharmacol* 8: 409-12, Jun 74 (Eng)
RATS; ANIMAL EXPERIMENTS; PROLACTIN (pharmacodynamics); RECEPTORS; HORMONE (drug effects); ESTROGENS; BENZANTHRACENES; MAMMARY NEOPLASMS, EXPERIMENTAL (chemically induced); TRITIUM; CASTRATION; OVARY (physiology); ADRENAL GLANDS (physiology); ADRENALECTOMY; NAFOXIDINE (pharmacodynamics); CELLS, CULTURED.

Sasse H

[INSULIN SECRETION IN PATIENTS WITH CORONARY HEART DISEASE (AUTHORS TRANSL)] Schenk KE, Quabbe HJ, Bittner H, Sasse H, Schroder R *Klin Wochenschr* 52: 1053-9, 15 Nov 74 (Eng)

Sassin J

GROWTH HORMONE RESPONSES TO HYPOGLYCEMIA IN POSTMENOPAUSAL DEPRESSED WOMEN. Gruen PH, Sachar EJ, Altman N, Sassin J *Arch Gen Psychiatry* 32: 31-3, Jun 75 (Eng)

Sassin JF

PATTERNS OF SPONTANEOUS CORTISOL AND GROWTH HORMONE SECRETION IN RHESUS MONKEYS DURING THE SLEEP-WAKING CYCLE. Jacoby JH, Sassin JF, Greenstein M, Weitzman ED *Neuroendocrinology* 14: 165-73, 74 (Eng)

Sato K

[HYPERACTIVITY OF THE BETA-RECEPTOR IN CHILDREN—WITH SPECIAL REFERENCE TO PERIODIC VOMITING (SO-CALLED AUTOINTOXICATION) AND ORTHOSTATIC DYSREGULATION] Furusho K, Muraishi K, Sato K, Noda C *Jpn J Clin Med* 32: 2907-18, Sep 74 (Jpn)

Savchenko DD

[EFFECT OF HEREDITARY FACTORS ON CERTAIN INDICATORS OF METABOLISM IN CHILDREN AND ADOLESCENTS WITH OBESITY] Dudenko NV, Anishchuk VP, Savchenko DD *Pediatr* 34-7, Dec 74 (Rus)

Savir A

ADOLESCENT RETINOPATHY IN AN ADOLESCENT WITH PRADER-LABHART-WILLI SYNDROME. Savir A, Dickerman Z, Karp M, Laron Z *Arch Dis Child* 49: 963-4, Dec 74 (Eng)
ADOLESCENCE; ADULT; ANEURYSM (etiology); CARBOHYDRATE METABOLISM, INBORN ERRORS (complications); DIABETES MELLITUS (drug therapy); DIABETIC RETINOPATHY (complications); FLUORESCENCE ANGIOGRAPHY; HUMAN; INSULIN (therapeutic use); MALE; MENTAL RETARDATION (complications); NYSTAGMUS (etiology); OBESITY (complications); SYNDROME.

Sawada C

[STUDIES ON TRANSFORMATIONS OF CARBOHYDRATES. II. EPIMERIZATION AND DEGRADATION OF GLUCOSE IN DILUTED STRONG ALKALINE SOLUTION. (1) (AUTHORS TRANSL)] Koizumi K, Hashimoto K, Mitarai M, Sawada C *J Pharm Soc Jap* 94: 232-7, Feb 74 (Jap)

Sawyer JL

GLYCOSYLTRANSFERASES IN CANINE RESPIRATORY TISSUE. ALTERATIONS IN AN EXPERIMENTALLY INDUCED HYPERSECRETORY STATE. Baker AP, Chakrin LW, Sawyer JL, Munro JR, Hillegass LM, Giannone E *Biochem Med* 10: 387-99, Aug 74 (Eng)

Schade DS

DECREASED GLUCAGON ACTIVITY: A MECHANISM FOR GENETIC AND ACQUIRED ENDOGENOUS HYPERLIPAEEMIA. Eaton RP, Schade DS, Conway M *Lancet* 2: 1545-7, 28 Dec 74 (Eng)

Schaeffer BE

MEMBRANE FUSION AND MOLECULAR SEGREGATION IN PHOSPHOLIPID VESICLES. Papahadjopoulos D, Poste G, Schaeffer BE, Vail WJ *Biochim Biophys Acta* 352: 10-28, 30 May 74 (Eng)

Schally AV

LONG-TERM INFUSION OF GROWTH HORMONE RELEASE INHIBITING HORMONE IN ACROMEGALY: EFFECTS ON PITUITARY AND PANCREATIC HORMONES. Besser GM, Mortimer CH, McNeilly AS, Thorner MO, Batistoni GA, Bloom SR, Kastrup KW, Hanssen KF, Hall R, Coy DH, Kastin AJ, Schally AV *Br Med J* 4: 622-7, 14 Dec 74 (Eng)

Scharrer E

EFFECT OF INSULIN UPON RENAL AMINO ACID TRANSPORT IN LAMBS. Scharrer E, Landes C, Scholl H *Experientia* 30: 1416-8, 15 Dec 74 (Eng)

AGE FACTORS; AMINOISOBUTYRIC ACID (metabolism); ANIMAL EXPERIMENTS; ANIMALS, NEWBORN; BIOLOGICAL TRANSPORT, ACTIVE (drug effects); CARBON RADIOISOTOPES; GLUCAGON (pharmacodynamics); INSULIN (pharmacodynamics); KIDNEY CORTEX (metabolism, drug effects); SHEEP.

Schenk KE

[INSULIN SECRETION IN PATIENTS WITH CORONARY HEART DISEASE (AUTHORS TRANSL)] Schenk KE, Quabbe HJ, Bittner H, Sasse H, Schroder R *Klin Wochenschr* 52: 1053-9, 15 Nov 74 (Eng)

AGE FACTORS; BLOOD SUGAR (analysis); CORONARY DISEASE (complications, blood); DIABETES MELLITUS (complications); DIABETIC ANGIOPATHIES (blood); ENGLISH ABSTRACT; FATTY ACIDS, NONESTERIFIED (blood); GLUCOSE TOLERANCE TEST; HUMAN; INSULIN (secretion, blood); MIDDLE AGE; MYOCARDIAL INFARCT (complications, blood); OBESITY IN DIABETES; PREDIABETIC STATE; TIME FACTORS.

Schersten B

BLOOD GLUCOSE MEASUREMENT WITH DEXTROSTIX AND NEW REFLECTANCE METER. Schersten B, Kuhl C, Hollender A, Ekman R *Br Med J* 3: 384-7, 10 Aug 74 (Eng)
HUMAN; COMPARATIVE STUDY; BLOOD SUGAR (analysis); INDICATORS AND REAGENTS; EQUIPMENT AND SUPPLIES; LIGHT; HEMATOCRIT; REAGENT STRIPS; METHODS.

Schersten T

INCORPORATION RATE OF LEUCINE INTO PROTEINS IN HUMAN LIVER SLICES. Stakeberg H, Gustafson A, Schersten T *Eur J Clin Invest* 4: 393-8, 5 Dec 74 (Eng)

Schirrmeyer W

STUDIES ON THE LIPID METABOLISM USING 14C-1-PALMITATE IN FETAL RATS. Hummel L, Schirrmeyer W, Zimmermann T, Wagner H *Biol Neonate* 24: 289-305, 1974 (Eng)

Schlegel HG

DIFFERENT PATHWAYS FOR FRUCTOSE AND GLUCOSE UTILIZATION IN RHODOPSEUDOMONAS CAPSULATA AND DEMONSTRATION OF 1-PHOSPHOFRUCTOKINASE IN PHOTOTROPHIC BACTERIA. Conrad R, Schlegel HG *Biochim Biophys Acta* 358: 221-5, 17 Jul 74 (Eng)

Schlimme

YEAST HEXOKINASE REACTION WITH ADENOSINE 5-O-TRIPHOSPHATE AND ADENOSINE 5-O-(1-THIO-TRIPHOSPHATE) MONITORED BY LIQUID CHROMATOGRAPHY. Stahl KW, Schlimme, Eckstein F *FEBS Lett* 40: 241-6, 1 Apr 74 (Eng)

Schlumberger A

[SOMATOMEDIN ACTIVITY OF THE SERUM IN THE NORMAL CHILD AND IN HYPOPITUITARISM] Binet E, Schlumberger A, Chausain JL, Job JC *Arch Fr Pediatr* 31: 339-46, Apr 74 (Fre)

Schmid M

[BONE-MARROW TOXICITY, LACTIC ACIDOSIS, AND DISSEMINATED INTRAVASCULAR COAGULATION FOLLOWING PHENFORMIN MEDICATION] Riedler GF, Keusch G, Schmid M *Schweiz Med Wochenschr* 104: 1160-6, 17 Aug 74 (Ger)

Schmidt HW

[LONG-TERM STUDY OF ESSENTIAL BLOOD CORPUSCLE SEDIMENTATION VELOCITY] Schmidt HW *Z Allgemeinmed* 50: 1221-4, 10 Oct 74 (Ger)

AGED; ARRHYTHMIA (blood); BLOOD SEDIMENTATION; CASE REPORT; DIABETES MELLITUS (blood); FEMALE; FOLLOW-UP STUDIES; HUMAN; HYPERTENSION (blood); SKIN NEOPLASMS (blood); TIME FACTORS.

Schmidt SP

GLUCONEOGENESIS IN RUMINANTS: GLUCOSE KINETIC PARAMETERS IN CALVES UNDER STANDARDIZED CONDITIONS. Young JW, Trott DR, Berger PJ, Schmidt SP, Smith JA *J Nutr* 104: 1049-55, Aug 74 (Eng)

Schneeberger EE

VESICULAR BINESIS: GLUCOSE EFFECT ON INSULIN SECRETORY VESICLES. Gabbay KH, Korff J, Schneeberger EE *Science* 187: 177-9, 17 Jan 75 (Eng)

Schneider T

LETTER: ORAL HYPOGLYCAEMIC AGENTS. Schneider T, Politzer WM *S Afr Med J* 48: 2577, 21 Dec 74 (Eng)

AGED; DIABETES MELLITUS (blood, drug therapy); DIABETIC DIET; FEMALE; HUMAN; LACTATES (blood); MALE; MIDDLE AGE; PHENFORMIN (adverse effects, therapeutic use).

Schnetz H

[EARLY DIAGNOSIS AND PREVENTION OF DIABETES MELLITUS] Atzenhofer K, Schnetz H *Med Welt* 26: 95-102, 17 Jan 75 (Ger) [35]

Scholl H

EFFECT OF INSULIN UPON RENAL AMINO ACID TRANSPORT IN LAMBS. Scharrer E,

- Landes C, Scholl H *Experientia* 30: 1416-8, 15 Dec 74 (Eng)
- Schopfer K**
PERIPHERAL BLOOD PHAGOCYTE DYSFUNCTION IN CHILDREN WITH KWASHIORKOR. Schopfer K, Murali A von Boll 1st Sieroter Milan 53: suppl0241-4, 1974 (Eng)
- SCHILD; HUMAN; KWASHIORKOR** (immunology); PHAGOCYTOSIS; BLOOD BACTERICIDAL ACTIVITY; LEUKOCYTES (immunology); ERYTHROCYTES (immunology); ESCHERICHIA COLI (immunology); STAPHYLOCOCCUS (immunology); CARBON RADIOISOTOPES; GLUCOSE (metabolism); HEXOSEPHOSPHATES (metabolism); BLOOD PROTEINS (analysis); MICROSCOPY, ELECTRON; ENZYME ACTIVATION.
- Schroder R**
[INSULIN SECRETION IN PATIENTS WITH CORONARY HEART DISEASE (AUTHORS TRANSL.) Schenk KE, Ouabbe HJ, Bittner H, Sasse H. Schroder R *Klin Wochenschr* 52: 1053-9, 15 Nov 74 (Eng)
- Schubert E**
EFFECT OF ESTRADIOL ON LIPOLYSIS AND ADENOSINE 3,5-MONOPHOSPHATE ACCUMULATION IN ISOLATED RAT ADIPOCYTES. Mitznegg P, Estler CJ, Schubert E *Biochem Pharmacol* 23: 2337-9, 15 Aug 74 (Eng)
- Schulze A**
[THE EFFECT OF INTERMITTENT TRAINING LOADS ON BLOOD CHARACTERISTICS IN TROTTERS (AUTHORS TRANSL.) Krzywanek H, Schulze A, Wittke G *Eur J Appl Physiol* 32: 329-40, 1974 (Ger)
- Schumann W**
HEART RATE AND ENERGY-YIELDING SUBSTRATES IN BLOOD DURING LONG-LASTING RUNNING. Keul J, Haralambie G, Arnold T, Schumann W *Eur J Appl Physiol* 32: 279-89, 1974 (Eng)
- Schwartz E**
LETTER: GROWTH WITH ABSENT GROWTH HORMONE BY RADIOIMMUNOASSAY. Saenger P, Levine LS, Wiedemann E, Schwartz E, New MI *J Pediatr* 85: 137-8, Jul 74 (Eng)
- Schwartz MK**
CHEMICAL AND CLINICAL EVALUATION OF THE CONTINUOUS-FLOW ANALYZER SMAC. Schwartz MK, Bethune VG, Fleisher M, Pennacchia G, Menendez-Botet CJ, Lehman D *Clin Chem* 20: 1062-70, Aug 74 (Eng)
- HUMAN; AUTOANALYSIS (instrumentation, standards); BLOOD CHEMICAL ANALYSIS; COMPUTERS; EQUIPMENT AND SUPPLIES; INDICATORS AND REAGENTS; BLOOD SUGAR (analysis); CREATININE (blood); BLOOD PROTEINS (analysis); ELECTROLYTES (blood); CARBON DIOXIDE (blood); CHOLESTEROL (blood); BILIRUBIN (blood); ENZYMES (blood); IRON (blood); PHOSPHATES (blood); LACTATE DEHYDROGENASE (blood); CREATINE KINASE (blood); STATISTICS.
- Schwoch G**
EFFECT OF TEMPERATURE ON SULFATE MOVEMENTS ACROSS CHEMICALLY OR ENZYMATICALLY MODIFIED MEMBRANES OF HUMAN RED BLOOD CELLS. Schwoch G, Rudloff V, Wood-Guth I, Passow H *Biochim Biophys Acta* 339: 126-38, 26 Feb 74 (Eng)
- HUMAN; SULFATES (blood); ERYTHROCYTES (metabolism, cytology, drug effects); CELL MEMBRANE (metabolism, drug effects); TEMPERATURE; PAPAIN (pharmacodynamics); PRONASE (pharmacodynamics); FLUORINE (pharmacodynamics); SALICYLATES (pharmacodynamics); CHROMATOGRAPHY, ION EXCHANGE; NITROBENZENES (pharmacodynamics); CARBOXYPEPTIDASES (metabolism); AMINOPEPTIDASES (metabolism); THERMODYNAMICS; CALORIMETRY; BIOLOGICAL TRANSPORT; KINETICS; HYDROGEN-ION CONCENTRATION; ELECTROPHORESIS, POLYACRYLAMIDE GEL; TIME FACTORS; CELL MEMBRANE PERMEABILITY.
- Scopes RK**
BINDING OF MNADP-TO PHOSPHOGLYCERATE KINASE. Chapman BE, OSullivan WJ, Scopes RK, Reed GH *FEBS Lett* 41: 189-91, 1 May 74 (Eng)
- Scott JC**
MYOCARDIAL METABOLISM DURING ACUTE HEMORRHAGIC OR ENDOTOXIC SHOCK. Spitzer JJ, Spitzer JA, Weng JT, Scott JC *Adv Exp Med Biol* 23: 267-73, Oct 71 (Eng)
- MYOCARDIAL METABOLISM DURING ENDOTOXIC SHOCK. Scott JC, Weng JT, Spitzer JJ *Adv Exp Med Biol* 33: 375-86, 1972 (Eng)
- DOGS; ANIMAL EXPERIMENTS; MYOCARDIUM (metabolism); SHOCK, ENDOTOXIC (metabolism); CARBON RADIOISOTOPES; PALMITIC ACID (metabolism); ENDOTOXINS (administration & dosage); FATTY ACIDS, NONESTERIFIED (metabolism); OXYGEN (blood); CARBON DIOXIDE (blood); HEMODYNAMICS; BLOOD PRESSURE; OXYGEN CONSUMPTION; HEART VENTRICLE (metabolism); BLOOD SUGAR (metabolism); HYDROGEN-ION CONCENTRATION; LACTATES (metabolism).
- Selkov EE**
MATHEMATICAL ANALYSIS OF METABOLIC NETWORKS. Reich JG, Selkov EE *FEBS Lett* 40: suppl0s119-27, 23 Mar 74 (Eng)
- Shafir E**
ENZYMES OF CARBOHYDRATE AND FAT METABOLISM IN ANTI-INSULIN SERUM DIABETES; INACTIVATION BY FREE FATTY ACIDS AND THE PROTECTIVE EFFECT OF CELLULAR PROTEIN. Shafir E, Ruderman NB *Diabetologia* 10: 731-42, Dec 74 (Eng)
- ACETYL COA CARBOXYLASE (antagonists & inhibitors); ADIPOSE TISSUE (analysis, enzymology); ALBUMINS (pharmacodynamics); ANIMAL EXPERIMENTS; CARBOHYDRATES (metabolism); CITRATE SYNTHASE (antagonists & inhibitors); COENZYME A (pharmacodynamics); COMPARATIVE STUDY; CYTOPLASM (enzymology, analysis); DIABETES MELLITUS (metabolism); ENZYMES (antagonists & inhibitors); ESTERS; FASTING; FATTY ACIDS, NONESTERIFIED (pharmacodynamics, analysis); GLUCONEOGENESIS (drug effects); GLUCOSEPHOSPHATE DEHYDROGENASE (antagonists & inhibitors); GLYCOLYSIS (drug effects); INSULIN ANTIBODIES; KREBS CYCLE; LINOLEIC ACIDS (pharmacodynamics); LIPIDS (metabolism); LIVER (analysis, enzymology); MALE; PROTEINS (analysis); RATS.
- Shah CP**
EFFECT OF GLUCOSE LOADING ON SERUM GLYCOPROTEINS. Ghai RD, Pai ML, Shah CP, Srinivasan S *J Assoc Physicians India* 22: 597-600, Aug 74 (Eng)
- Shand DG**
HEMODYNAMIC DRUG INTERACTIONS. Nies AS, Shand DG, Branch RA *Cardiovasc Clin* 6: 43-53, 1974 (Eng) [13]
- Shankov VM**
[THE BODY'S RESPONSE TO THE LOCAL APPLICATION OF A THERMAL STIMULUS UNDER CONDITIONS OF INADEQUATE INSULIN FORMATION] Shanko VM *Fiziol Zh* 21: 98-103, Jan-Feb 75 (Ukr)
- ALLOXAN DIABETES (complications, physiopathology); ANIMAL EXPERIMENTS; BLOOD SUGAR (metabolism); BODY TEMPERATURE; BURNS (complications, physiopathology); CAPILLARY PERMEABILITY; ENGLISH ABSTRACT; EPINEPHRINE (diagnostic use); LEUKOCYTES; LIVER GLYCOGEN (metabolism); RABBITS.
- Shapot VS**
[ROLE OF GLUCONEOGENESIS IN THE MAINTENANCE OF NORMOGLYCEMIA IN THE BODY OF ANIMALS WITH TRANSPLANTED TUMORS] Blinov VA, Shapot VS *Vopr Onkol* 20: 60-5, 1974 (Rus)
- Sharp GW**
EFFECT OF CHOLERA TOXIN ON INSULIN RELEASE IN MONOLAYER CULTURES OF THE ENDOCRINE PANCREAS. Wollheim CB, Blondel B, Sharp GW *Diabetologia* 10: 783-7, Dec 74 (Eng)
- Sheldon J**
CHANGES IN GLUCOSE TOLERANCE, INSULIN, SERUM LIPIDS AND LIPOPROTEINS IN PATIENTS WITH RENAL FAILURE ON INTERMITTENT HAEMODIALYSIS. Arora KK, Atkinson MK, Trafford JA, Sheldon J, Nunn R *Postgrad Med J* 49: 293-6, May 73 (Eng)
- Shepherd RH**
MARATHON RUNNING AFTER MYOCARDIAL INFARCTION. Kavanagh T, Shepherd RH, Pandit V *JAMA* 229: 1602-5, 16 Sep 74 (Eng)
- Shih VE**
AMINO ACID METABOLISM IN ACUTE RENAL FAILURE: INFLUENCE OF INTRAVENOUS ESSENTIAL L-AMINO ACID HYPERALIMENTATION THERAPY. Abel RM, Shih VE, Abbott WM, Beck CH Jr, Fischer JE *Ann Surg* 180: 350-5, Sep 74 (Eng)
- Shillingford J**
AORTIC VELOCITY AND ACCELERATION MEASUREMENTS IN THE ASSESSMENT OF CORONARY HEART DISEASE. Jewitt D, Gabe I, Mills C, Maurer B, Thomas M, Shillingford J *Eur J Cardiol* 1: 299-305, Mar 74 (Eng)
- Shimazu K**
CEREBRAL METABOLIC EFFECTS OF GLYCEROL INFUSION IN DIABETICS WITH STROKE. Meyer JS, Shimazu K, Ouchi T, Okamoto S, Koto A, Fukuchi Y, Ericsson AD *J Neurol Sci* 21: 1-22, Jun 74 (Eng)
- Shishido H**
[ETIOLOGY OF DIABETIC NEPHROPATHY--A MORPHOLOGICAL APPROACH] Hirose K, Shishido H, Tsuchida H *Jpn J Clin Med* 32: 3148-55, Oct 74 (Jpn)
- Shivastava KK**
EFFECT OF ADAPTATION TO HIGH ALTITUDE ON COMPONENTS OF BLOOD AND URINE OF LOWLANDERS COMPARED WITH HIGH ALTITUDE NATIVES. Shivastava KK, Malhotra MS *Int J Biometeorol* 18: 229-87, Dec 74 (Eng)
- ACCLIMATION; ADOLESCENCE; ADULT; ALTITUDE; ASPARTATE AMINOTRANSFERASE (blood); BLOOD PROTEINS (analysis); CHOLESTEROL (blood); COMPARATIVE STUDY; CREATINE KINASE (blood); CREATINE (urine); CREATININE (urine); FASTING; GLOMERULAR FILTRATION RATE; GLUCOSE TOLERANCE

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Short SA

TEST; HUMAN; HYDROXYSTEROIDS (urine); INDIA; MALE; METABOLISM; 17-KETOSTEROIDS (urine).

Short SA

MECHANISMS OF ACTIVE TRANSPORT IN ISOLATED BACTERIAL MEMBRANE VESICLES. FURTHER STUDIES ON AMINO ACID TRANSPORT IN STAPHYLOCOCCUS AUREUS MEMBRANE VESICLES. Short SA, Kaback HR *J Biol Chem* 249: 4275-81, 10 Jul 74 (Eng)

STAPHYLOCOCCUS (metabolism); OXALATES (metabolism); CELL MEMBRANE (metabolism); QUINOLINES (pharmacodynamics); BIOLOGICAL TRANSPORT, ACTIVE (drug effects); DINITROPHENOLS (pharmacodynamics); AMINO ACIDS (metabolism); CYCLIC N-OXIDES (pharmacodynamics); CARBON RADIOISOTOPES; SPECTROPHOTOMETRY; GLYCEROLPHOSPHATE DEHYDROGENASE (metabolism); GLUCONATES (metabolism); GLUCOSE (metabolism); LACTATE DEHYDROGENASE (metabolism); SERINE (metabolism); KINETICS; GLYCEROPHOSPHATES (metabolism); ELECTRON TRANSPORT; LACTATES (metabolism); OXYGEN CONSUMPTION; CYANIDES (antagonists & inhibitors); AMOBARBITAL (antagonists & inhibitors).

Shrago E

REGULATION OF METABOLIC TRANSPORT IN RAT AND GUINEA PIG LIVER MITOCHONDRIA BY LONG CHAIN FATTY ACYL-COENZYME A ESTERS. Shrago E, Shug A, Elson C, Spennetta T, Crosby C *J Biol Chem* 249: 5269-74, 25 Aug 74 (Eng)

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Shug A

REGULATION OF METABOLIC TRANSPORT IN RAT AND GUINEA PIG LIVER MITOCHONDRIA BY LONG CHAIN FATTY ACYL COENZYME A ESTERS. Shrago E, Shug A, Elson C, Spennetta T, Crosby C *J Biol Chem* 249: 5269-74, 25 Aug 74 (Eng)

Shuttee R

GLYCEROL INTOLERANCE IN A CHILD WITH INTERMITTENT HYPOGLYCEMIA. Maclaren MK, Cowles C, Ozand PT, Shuttee R, Cornblath M *J Pediatr* 86: 43-9, Jan 75 (Eng)

Shwachman H

ENDOGENOUS AND EXOGENOUS INSULIN RESPONSES IN PATIENTS WITH CYSTIC FIBROSIS. Wilmshurst EG, Soeldner JS, Holsclaw DS, Kaufmann RL, Shwachman H, Aoki TT, Gleason RF. *Pediatrics* 55: 75-82, Jan 75 (Eng)

RECURRENT ACUTE PANCREATITIS IN PATIENTS WITH CYSTIC FIBROSIS WITH NORMAL PANCREATIC ENZYMES. Sh-

wachman H, Lebenthal E, Khaw KT *Pediatrics* 55: 86-95, Jan 75 (Eng)

ACUTE DISEASE; ADOLESCENCE; ADULT; AMYLASE (blood, urine, secretion); CHLORIDES (analysis); CHYMOTRYPSIN (analysis); CYSTIC FIBROSIS (complications, enzymology, pathology); FEMALE; GLUCOSE TOLERANCE TEST; HUMAN; INTUBATION, GASTROINTESTINAL; LIPASE (blood, secretion); MAGNESIUM (analysis); MALE; METHIONINE (diagnostic use); PAIN; PANCREAS (enzymology, pathology); PANCREATITIS (etiology, enzymology, pathology); PANCREOZYMIN (diagnostic use); POTASSIUM (analysis); RECURRENCE; SECRETIN (diagnostic use); SELENIUM (diagnostic use); SODIUM (analysis); TRYPSIN (analysis); UNITED STATES GOVERNMENT SUPPORTED, N.I.H.; UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Sicuranza BJ

CESAREAN SECTION IN THE MASSIVELY OBESE. Sicuranza BJ, Tisdall LH *J Reprod Med* 14: 10-1, Jan 75 (Eng)

ADULT; ANEMIA (complications); ANESTHESIA (methods); BIRTH WEIGHT; BODY WEIGHT; CESAREAN SECTION (methods); ENDOMETRITIS (etiology); FEMALE; HUMAN; HYPERTENSION (complications); INFANT, NEWBORN; LENGTH OF STAY; OBESITY IN DIABETES; OBESITY; PARITY; POSTOPERATIVE COMPLICATIONS; PREGNANCY IN DIABETES; PREGNANCY COMPLICATIONS; PREGNANCY TOXEMIAS; PREGNANCY; RACIAL STOCKS; SURGICAL WOUND INFECTION; SUTURE TECHNIQS; URINARY TRACT INFECTIONS (etiology).

Sieber P

[TOTAL SYNTHESIS OF HUMAN INSULIN UNDER DIRECTED FORMATION OF THE DISULFIDE BONDS] Sieber P, Kamber B, Hartmann A, Johl A, Riniker B, Rittel W *Helv Chim Acta* 57: 2617-21, 1974 (Ger)

ADIPOSE TISSUE (metabolism); AMINO ACID SEQUENCE; AMINO ACIDS (analysis); ANIMAL EXPERIMENTS; CHROMATOGRAPHY, THIN LAYER; ELECTROPHORESIS; ELECTROPHORESIS, DISC; ENGLISH ABSTRACT; GLUCOSE (metabolism); INSULIN (chemical synthesis, pharmacodynamics, analysis); METHODS; RATS.

Silk DB

FUNCTIONAL DIFFERENTIATION OF HUMAN JEJUNUM AND ILEUM: A COMPARISON OF THE HANDLING OF GLUCOSE, PEPTIDES, AND AMINO ACIDS. Silk DB, Webb JP, Lane AE, Clark ML, Dawson AM *Gut* 15: 444-9, Jun 74 (Eng)

ADULT; MIDDLE AGE; HUMAN; JEJUNUM (metabolism); ILEUM (metabolism); INTESTINAL ABSORPTION; GLUCOSE (metabolism); GLYCINE (metabolism); ALANINE (metabolism); BICARBONATES (metabolism); INTUBATION, GASTROINTESTINAL; PEPTIDE HYDROLASES (metabolism); GASTROINTESTINAL MOTILITY; PEPTIDES (metabolism); PERFUSION.

Silvan Delgado M

EFFECT OF GLUCAGON ON THE MUSCUL TONE OF THE DUODENAL WALL. RADIOLOGICAL USEFULNESS] Silvan Delgado M, Juanco Pedregal C, Gonzalez Tutor A, Fernandez Echevarria MA *Rev Esp Enferm Apar Dig* 44: 797-810, 15 Dec 74 (Spa)

CONTRAST MEDIA; DRUG EVALUATION; DUODENAL DISEASES (radiography); DUODENUM (drug effects); GASTROINTESTINAL MOTILITY (drug effects); GLUCAGON (pharmacodynamics, adverse effects); HUMAN; INTESTINAL

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Silverman M

THE IN VIVO LOCALIZATION OF HIGH-AFFINITY PHLORIZIN RECEPTORS TO THE BRUSH BORDER SURFACE OF THE PROXIMAL TUBULE IN DOG KIDNEY. Silverman M *Biochim Biophys Acta* 339: 92-102, 26 Feb 74 (Eng)

DOGS; ANIMAL EXPERIMENTS; PHLORHIZIN (metabolism, urine, pharmacodynamics); RECEPTORS, DRUG; KIDNEY TUBULES, PROXIMAL (metabolism, cytology, drug effects); CELL MEMBRANE (metabolism, drug effects); TRITIUM; CREATININE (metabolism, urine); BIOLOGICAL TRANSPORT; ISOTOPE LABELING; GLUCOSE (pharmacodynamics); BINDING SITES; CARBON RADIOISOTOPES; INULIN (metabolism); CHROMATOGRAPHY, THIN LAYER; BLOOD SUGAR; HEMATOCRIT; TIME FACTORS.

Simeonov S

[BIOCHEMICAL AND MORPHOLOGICAL STUDIES OF THE BLOOD AND LIVER IN COWS WITH KETOSIS] Simeonov S, Dimitrov A, Stoianov Kh *Vet Med Nauki* 11: 10-22, 1974 (Bul)

ACIDOSIS, DIABETIC (veterinary); ANIMAL EXPERIMENTS; BLOOD SUGAR (analysis); CATTLE DISEASES (metabolism); ENGLISH ABSTRACT; FATTY LIVER (metabolism, diagnosis); FEMALE; HISTOCYTOCHEMISTRY; KETOSIS, DIABETIC (veterinary, metabolism, blood); LIPIDS (blood); LIVER DISEASES (veterinary, diagnosis); LIVER (metabolism, analysis).

Singer P

[BEHAVIOR OF THE FATTY ACID PATTERN OF TRIGLYCERIDES IN LIVER PARENCHYMA AND DEPOT FATS IN DIABETIC PATIENTS IN RELATION TO FATTY LIVER] Singer P, Gnauck G, Thoeke H, Honigsmann G, Buntrock P, Kettler LH *Dtsch Z Verdau Stoffwechselkr* 34: 27-35, 1974 (Ger)

ADIPOSE TISSUE (metabolism); ARACHIDONIC ACIDS (metabolism); BIOPSY; DIABETES MELLITUS (metabolism); FATTY ACIDS (metabolism); FATTY LIVER (metabolism); HUMAN; LINOLEIC ACIDS (metabolism); LIVER (metabolism, pathology); OLEIC ACIDS (metabolism); PALMITIC ACIDS (metabolism); TRIGLYCERIDES (metabolism).

Singer SJ

THE MOLECULAR ORGANIZATION OF MEMBRANES. Singer SJ *Annu Rev Biochem* 43: 805-33, 1974 (Eng) [235]

REVIEW; CELL MEMBRANE (metabolism, enzymology); PROTEINS (metabolism, isolation & purification); ACETYLCHOLINESTERASE (blood); ERYTHROCYTES (enzymology, cytology); HEXOSYLTRANSFERASES (metabolism); MILK (enzymology); RECEPTORS, DRUG; PROTEIN BINDING; BIOLOGICAL TRANSPORT, ACTIVE; BINDING SITES; MACROMOLECULAR SYSTEMS; MODELS, BIOLOGICAL; PROTEIN CONFORMATION; ADENOSINE TRIPHOSPHATASE (metabolism); METHODS.

Skopicheva VI

[MECHANISM OF ACTION OF OUABAIN ON CARBOHYDRATE TRANSPORT IN FROG

- SKELETAL MUSCLES**] Nikolskii NN, Skopicheva VI, Troshin AS *Dokl Akad Nauk SSSR* 219: 1231-4, 1974 (Rus)
- Slama G**
SEX RELATED DIURNAL VARIATIONS IN VENOUS BLOOD GLUCOSE AND PLASMA INSULIN LEVELS. EFFECTS OF ESTROGENS IN MEN. Hautecouverture M, Slama G, Assan R, Tchobroutsky G *Diabetologia* 10: 725-30, Dec 74 (Eng)
- Slavik V**
[AUSTRALIA ANTIGEN (HBAG) IN MEDICAL PERSONEL AND DIABETIC PATIENTS (AUTHORS TRANSL.)] Meluzin F, Kubecova F, Spicka J, Slavik V *Cas Lek Cesk* 113: 1387-9, 7 Nov 74 (Cze)
- Slavina LS**
[DISORDERS OF THE CARDIOVASCULAR SYSTEM IN PATIENTS WITH DIABETES MELLITUS] Kliachko VR, Mazovetskii AG, Slavina LS *Kardiologia* 14: 150-8, Oct 74 (Rus)
- [CLINICAL EVALUATION OF THE ECG CHANGES IN DIABETES MELLITUS] Slavina LS, Mazovetskii AG, Okeanova TA *Probl Endokrinol (Mosk)* 20: 13-6, Sep-Oct 74 (Rus)
- ADOLESCENCE; ADULT; AGED; ARRHYTHMIA (etiology, diagnosis); ARTERIOSCLEROSIS (etiology, diagnosis); DIABETES MELLITUS (physiopathology, complications); DIABETIC ANGIOPATHIES (diagnosis, etiology); ELECTROCARDIOGRAPHY; ENGLISH ABSTRACT; FEMALE; HEART (physiopathology); HUMAN; MALE; MIDDLE AGE.
- Slotkin TA**
ADRENAL MEDULLARY STORAGE VESICLES OF THE SPONTANEOUSLY HYPERTENSIVE RAT. Slotkin TA, Green HO *Biochem Pharmacol* 24: 173-80, 15 Jan 75 (Eng)
- ADENOSINE TRIPHOSPHATE (metabolism); ADRENAL GLANDS (metabolism, secretion); ADRENAL MEDULLA (ultrastructure, metabolism, enzymology); ANIMAL EXPERIMENTS; CARBON RADIOISOTOPES; CATECHOLAMINES (metabolism); CELLULAR INCLUSIONS (metabolism); DOPAMINE BETA HYDROXYLASE (metabolism); DOSE-RESPONSE RELATIONSHIP; DRUG; EPINEPHRINE (metabolism); HYPERTENSION (metabolism, physiopathology); IN VITRO; INSULIN (pharmacodynamics); KINETICS; MALE; METARAMINOL (metabolism); RATS; SUBCELLULAR FRACTIONS (metabolism); TRITIUM; TYRAMINE (metabolism); TYROSINE HYDROXYLASE (metabolism); TYROSINE (metabolism).
- Smilenova I**
[NEUROPATHY IN DIABETES MELLITUS] Ilchevski S, Smilenova I, Minchev M *Vutr Boles* 13: 122-5, 1974 (Bul)
- Smirnova LK**
[SOMATOTROPIN AND NONESTERIFIED FATTY ACID CONTENT DURING THE STANDARD GLUCOSE TOLERANCE TEST IN CHILDREN AND ADOLESCENTS FROM FAMILIES WITH THE HISTORY OF DIABETES MELLITUS] Stulii LA, Balabolkin MI, Rozhnov AA, Kasatkin IN, Smirnova LK *Probl Endokrinol (Mosk)* 20: 3-7, Sep-Oct 74 (Rus)
- [INSULIN CONTENT IN THE BLOOD SERUM OF HEALTHY GIRLS AND THE INDICES OF PHYSICAL DEVELOPMENT] Morozova TP, Kolesov DV, Kasatkin IN, Ametov AS, Smirnova LK *Vopr Okhr Materin Det* 19: 49-51, Oct 74 (Rus)
- Smith B**
NEUROPATHOLOGY OF THE OESOPHAGUS IN DIABETES MELLITUS. Smith B *J Neurol Neurosurg Psychiatry* 37: 1151-4, Oct 74 (Eng)
- ANTIDIABETICS (therapeutic use); COMPARATIVE STUDY; DIABETES MELLITUS (drug therapy); DIABETIC NEUROPATHIES (pathology, drug therapy); ESOPHAGUS (innervation, pathology); HUMAN; INSULIN (therapeutic use); MYENTERIC PLEXUS (pathology); SYMPATHETIC NERVOUS SYSTEM (pathology); VAGUS NERVE (pathology); WALLERIAN DEGENERATION.
- Smith GG**
CONTROL OF MEMBRANE LIPID FLUIDITY IN ACHOLEPLASMA LAIDLAWII. Huang L, Lorch SK, Smith GG, Haug A *FEBS Lett* 43: 1-5, 1 Jul 74 (Eng)
- Smith JA**
GLUCONEOGENESIS IN RUMINANTS: GLUCOSE KINETIC PARAMETERS IN CALVES UNDER STANDARDIZED CONDITIONS. Young JW, Trott DR, Berger PJ, Schmidt SP, Smith JA *J Nutr* 104: 1049-55, Aug 74 (Eng)
- Smith JE**
EFFECT OF WEIGHT REDUCTION IN THE RAT ON EPIDIDYMAL FAT-CELL SIZE AND RELATIVE DISPERSION. Smith JE, DiGirolamo M *Am J Physiol* 227: 420-4, Aug 74 (Eng)
- RATS; ANIMAL EXPERIMENTS; MALE; BODY WEIGHT; ADIPOSE TISSUE (cytology); OBESITY; FOOD DEPRIVATION; EPIDIDYMIS.
- Smith JR**
EPIDEMIOLOGY OF DIABETES MELLITUS. Beaven DW, Arcus AC, Bell JP, Smith JR *NZ Med J* 80: 291-9, 9 Oct 74 (Eng)
- Smith RC**
INSULINOMA. Dean AC, Smith RC *J R Coll Surg Edinb* 20: 49-53, Jan 75 (Eng)
- Smith RJ**
THE RATE OF CHOLESTEROL FLIP-FLOP IN LIPID BILAYERS AND ITS RELATION TO MEMBRANE STEROL POOLS. Smith RJ, Green C *FEBS Lett* 42: 108-11, 15 May 74 (Eng)
- HUMAN; COMPARATIVE STUDY; CHOLESTEROL; MEMBRANES, ARTIFICIAL; PHOSPHOLIPIDS; BINDING SITES; KINETICS; LECITHINS; LIPOSOMES; EGG YOLK; LIPOPROTEINS, LDL (blood); ULTRACENTRIFUGATION; SPECTROPHOTOMETRY, ULTRAVIOLET; SPECTROMETRY, FLUORESCENCE; IODIDES; CARBON RADIOISOTOPES; TIME FACTORS.
- Socha J**
[EFFECT OF LOW-CALORIE DIET ON LIPOLYTIC ENZYMES AND OTHER INDICES AND PSYCHOLOGICAL BEHAVIOR OF CHILDREN WITH ORDINARY OBESITY] Szczepski O, Walczak M, Korman E, Socha J, Waligora A, Waligora Z *Endokrynol Pol* 25: 31-42, Jan-Feb 74 (Pol)
- Soeldner JS**
THE EFFECT OF GLUCOSE ANOMERS UPON INSULIN AND GLUCAGON SECRETION. Rossini AA, Soeldner JS, Hiebert JM, Weir GC, Gleason RE *Diabetologia* 10: 795-9, Dec 74 (Eng)
- ENDOGENOUS AND EXOGENOUS INSULIN RESPONSES IN PATIENTS WITH CYSTIC FIBROSIS. Wilmshurst EG, Soeldner JS, Holsclaw DS, Kaufmann RL, Shwachman H, Aoki TT, Gleason RE *Pediatrics* 55: 75-82, Jan 75 (Eng)
- Soffronoff EC**
OXYTOCIN CHALLENGE TEST IN MONITORING HIGH-RISK PREGNANCIES. Cooper JM, Soffronoff EC, Bolognese RJ *Obstet Gynecol* 45: 27-33, Jan 75 (Eng)
- Sognen E**
BOVINE KETOSIS. II. THERAPY AND BIOLOGICAL FACTORS OF SIGNIFICANCE FOR RECOVERY. Jonsgard K, Hansen MA, Sognen E, Overby I *Nord Vet Med* 26: 362-9, Jun 74 (Eng)
- Sokolov IaA**
[SOMATOTROPIC FUNCTION OF THE HYPOPHYSIS. TOLERANCE TESTS AS A METHOD OF EVALUATION OF THE SOMATOTROPIC FUNCTION OF THE HYPOPHYSIS] Sokolov IaA, Vasilenko VV, Fedotov VP *Probl Endokrinol (Mosk)* 20: 16-22, Sep-Oct 74 (Rus)
- ACROMEGALY (physiopathology, blood); ADULT; ARGININE (diagnostic use); BLOOD SUGAR (analysis); COMPARATIVE STUDY; DRUG TOLERANCE; DWARFISM (physiopathology, blood); ENGLISH ABSTRACT; FEMALE; HUMAN; INSULIN (blood); MALE; MIDDLE AGE; PITUITARY GLAND (physiology, physiopathology); SOMATOTROPIN (secretion, blood).
- [RESULTS OF THE STUDY OF SOMATOTROPIC FUNCTION OF THE HYPOPHYSIS WITH THE AID OF INSULIN TOLERANCE TEST IN PATIENTS WITH HYPOGONADISM] Nekrasova LV, Sokolov IaA, Marova EI *Probl Endokrinol (Mosk)* 20: 31-6, Sep-Oct 74 (Rus)
- Soldat MC**
[LETTER: FALL IN PLASMA TESTOSTERONE LEVELS DURING ORAL GLUCOSE TOLERANCE TEST] Cathelineau G, Roger M, Soldat MC *Nouv Presse Med* 3: 2109, 5 Oct 74 (Fre)
- Soler NG**
STUDIES ON WHOLE-BODY POTASSIUM IN NON-KETOACIDOTIC DIABETICS BEFORE AND AFTER TREATMENT. Walsh CH, Soler NG, James H, Fitzgerald MG, Malins JM *Br Med J* 4: 738-40, 28 Dec 74 (Eng)
- Soliman R**
APPLICATION OF MERCURIMETRIC TITRATION IN SEMIMICRO ESTIMATION OF SOME SUGARS. 2. Belal S, Soliman R *Pharmazie* 29: 205, Mar 74 (Eng)
- Solomon J**
EFFECT OF A LOW DOSE OF ALLOXAN ON BLOOD GLUCOSE, ISLET BETA CELL GRANULATION, BODY WEIGHT, AND INSULIN RESISTANCE OF OB/OB MICE. Solomon J, Bulkeley RJ, Mayer J *Diabetologia* 10: 709-15, Dec 74 (Eng)
- ALLOXAN DIABETES (physiopathology); ALLOXAN (pharmacodynamics); ANIMAL EXPERIMENTS; BLOOD SUGAR (analysis); BODY WEIGHT (drug effects); COMPARATIVE STUDY; FASTING; FEMALE; GLUCOSE TOLERANCE TEST; INSULIN RESISTANCE; ISLANDS OF LANGERHANS (drug effects, pathology); MICE, INBRED C57BL; OBESITY; SOMATOTROPIN (pharmacodynamics).
- Solomon N**
AN EXCHANGE DIET FOR YOUR PATIENTS. Solomon N *Md State Med J* 23: 47-50, Jul 74 (Eng)
- HUMAN; DIET, REDUCING.
- Sontakke KK**
PANCREATIC ALPHA CELL FUNCTION IN RELATION TO CHOLESTEROL METABOLISM IN BANDICOTA BENGALENSIS. Surayawanshi SA, Sontakke KK, Kumar VR *Endokrynol Pol* 26: 21-3, Jan-Feb 75 (Eng)

Spaulding WB

Spaulding WB

[A DAY CENTER FOR DIABETICS] King B, Spaulding WB, Wright AD *Infirm Can* 17: 28-32, Jan 75 (Fre)

Spennetta T

REGULATION OF METABOLIC TRANSPORT IN RAT AND GUINEA PIG LIVER MITOCHONDRIA BY LONG CHAIN FATTY ACYL COENZYME A ESTERS. Shrago E, Shug A, Elson C, Spennetta T, Crosby C *J Biol Chem* 249: 5269-74, 25 Aug 74 (Eng)

Sperling MA

INSULIN-GLUCAGON SUBSTRATE INTERRELATIONS IN THE FETAL SHEEP. Fiser RH Jr, Erenberg A, Sperling MA, Oh W, Fisher DA *Pediatr Res* 8: 951-5, Dec 74 (Eng)

Spicka J

[AUSTRALIA ANTIGEN (HBAG) IN MEDICAL PERSONEL AND DIABETIC PATIENTS (AUTHORS TRANS)] Meluzin F, Kubecova F, Spicka J, Slavik V *Cas Lek Cesk* 113: 1387-9, 7 Nov 74 (Cze)

Spitzer JA

INFLUENCE OF ENDOTOXIN ON ADIPOSE TISSUE METABOLISM. Spitzer JA, Kovach AG, Rosell S, Sandor P, Spitzer JJ, Storck R *Adv Exp Med Biol* 33: 337-44, 1972 (Eng)

DOGS; ANIMAL EXPERIMENTS; FEMALE; ENDOTOXINS (pharmacodynamics); ADIPOSE TISSUE (metabolism, blood supply); SHOCK; ENDOTOXIC (metabolism); ESCHERICHIA COLI; REGIONAL BLOOD FLOW; LIPID MOBILIZATION (drug effects); SKIN; OMENTUM; MESENTERY; BLOOD PRESSURE; CARDIAC OUTPUT; HEART RATE; FATTY ACIDS, NONESTERIFIED (blood); BLOOD SUGAR (metabolism); GLYCERIN (blood); LACTATES (blood); NOREPINEPHRINE (pharmacodynamics); TIME FACTORS.

MYOCARDIAL METABOLISM DURING ACUTE HEMORRHAGIC OR ENDOTOXIC SHOCK. Spitzer JJ, Spitzer JA, Weng JT, Scott JC *Adv Exp Med Biol* 23: 267-73, Oct 71 (Eng)

Spitzer JJ

INFLUENCE OF ENDOTOXIN ON ADIPOSE TISSUE METABOLISM. Spitzer JA, Kovach AG, Rosell S, Sandor P, Spitzer JJ, Storck R *Adv Exp Med Biol* 33: 337-44, 1972 (Eng)

MYOCARDIAL METABOLISM DURING ACUTE HEMORRHAGIC OR ENDOTOXIC SHOCK. Spitzer JJ, Spitzer JA, Weng JT, Scott JC *Adv Exp Med Biol* 23: 267-73, Oct 71 (Eng)

DOGS; ANIMAL EXPERIMENTS; MYOCARDIUM (metabolism); SHOCK; HEMORRHAGIC (metabolism, physiopathology); SHOCK, ENDOTOXIC (metabolism, physiopathology); DISEASE MODELS, ANIMAL; CARDIAC OUTPUT; BLOOD PRESSURE; ENDOTOXINS (pharmacodynamics); HEART (drug effects); ANOXIA (metabolism); HEART RATE; CORONARY CIRCULATION; VASCULAR RESISTANCE; FATTY ACIDS, NONESTERIFIED (metabolism); LACTATES (metabolism); GLUCOSE (metabolism); CARBON DIOXIDE (biosynthesis).

MYOCARDIAL METABOLISM DURING ENDOTOXIC SHOCK. Scott JC, Weng JT, Spitzer JJ *Adv Exp Med Biol* 33: 375-86, 1972 (Eng)

NON-ESTERIFIED FATTY ACID (FFA) METABOLISM FOLLOWING SEVERE HEMORRHAGE IN THE CONSCIOUS DOG. Spitzer JJ, Wiener R, Wolf EH *Adv Exp Med Biol* 33: 221-30, 1972 (Eng)

DOGS; ANIMAL EXPERIMENTS; FATTY ACIDS, NONESTERIFIED (metabolism, blood); HEMORRHAGE (metabolism); CARBON RADIOISOTOPES; PALMITIC ACID (metabolism); BLOOD PRESSURE; CARDIAC

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OUTPUT; BLOOD VOLUME; CATECHOLAMINES (blood); BLOOD SUGAR (metabolism); OXIDATION-REDUCTION; OXYGEN (blood); CARBON DIOXIDE (blood); GLYCERIN (blood); LACTATES (blood).

Spyropoulos CS

SOME OBSERVATIONS ON THE ELECTRICAL PROPERTIES OF BIOLOGICAL MEMBRANES. Spyropoulos CS *Membranes* 1: 267-317, 1972 (Eng) [43]

REVIEW; MEMBRANES, ARTIFICIAL; AXONS (physiology, drug effects, cytology); CELL MEMBRANE (physiology); OSMOLAR CONCENTRATION; SEAWATER; POTASSIUM (pharmacodynamics); FLUORIDES (pharmacodynamics); POTASSIUM CHLORIDE; ACTION POTENTIALS (drug effects); SODIUM (pharmacodynamics); ETHANOLAMINES (pharmacodynamics); CATIONS, MONOVALENT (pharmacodynamics); PERFUSION; METHODS; SQUID; PLANTS.

Srinivasan S

EFFECT OF GLUCOSE LOADING ON SERUM GLYCOPROTEINS. Ghai RD, Pai ML, Shah CP, Srinivasan S *J Assoc Physicians India* 22: 597-600, Aug 74 (Eng)

Stahl KW

YEAST HEXOKINASE REACTION WITH ADENOSINE 5-O-TRIPHOSPHATE AND ADENOSINE 5-O-(1-THIO-TRIPHOSPHATE) MONITORED BY LIQUID CHROMATOGRAPHY. Stahl KW, Schlimme, Eckstein F *FEBS Lett* 40: 241-6, 1 Apr 74 (Eng)

HEXOKINASE (metabolism); SACCHAROMYCES CEREVISIAE (enzymology); ADENOSINE TRIPHOSPHATE; SULFHYDRYL COMPOUNDS; STRUCTURE-ACTIVITY RELATIONSHIP; PROTEIN BINDING; BINDING SITES; KINETICS; STEREOISOMERS; CHROMATOGRAPHY, ION EXCHANGE; ADENOSINE MONOPHOSPHATE; ADENOSINE DIPHOSPHATE; CARBON RADIOISOTOPES; TIME FACTORS.

Stakeberg H

INCORPORATION RATE OF LEUCINE INTO PROTEINS IN HUMAN LIVER SLICES. Stakeberg H, Gustafson A, Schersten T *Eur J Clin Invest* 4: 393-8, 5 Dec 74 (Eng)

AGE FACTORS; AMINO ACIDS (metabolism); FEMALE; FRUCTOSE (pharmacodynamics); GLUCOSE (pharmacodynamics); HUMAN; INSULIN (pharmacodynamics); INTRACELLULAR FLUID (metabolism); LEUCINE (metabolism, antagonists & inhibitors); LIVER (metabolism); MALE; MIDDLE AGE; PROTEINS (metabolism).

Stanley KK

THE OCCURRENCE OF INTERMEDIATES IN MITOCHONDRIAL FATTY ACID OXIDATION. Stanley KK, Tubbs PK *FEBS Lett* 39: 325-8, 1 Mar 74 (Eng)

RATS; ANIMAL EXPERIMENTS; COMPARATIVE STUDY; MITOCHONDRIA, LIVER (metabolism, enzymology); PALMITIC ACID (metabolism); CARNITINE (metabolism); OXYGEN CONSUMPTION; OXIDATION-REDUCTION; CARBON RADIOISOTOPES; CHROMATOGRAPHY; SILICA; CHROMATOGRAPHY, GAS; FATTY ACID DESATURASES (metabolism).

Staroseltseva LK

[INSULIN RECEPTORS AND MECHANISM OF THE ACTION OF INSULIN IN THE BODY] Staroseltseva LK *Probl Endokrinol (Mosk)* 20: 108-13, Sep-Oct 74 (Rus)

ADENOSINE MONOPHOSPHATE (metabolism); ADIPOSE TISSUE (cytology, metabolism); BINDING SITES; BIOLOGICAL TRANSPORT,

ACTIVE; CARBOHYDRATES (metabolism); CELL MEMBRANE PERMEABILITY; CELL MEMBRANE (metabolism, enzymology); GLUCOSE (metabolism); GLUCOSEPHOSPHATES (metabolism); HUMAN; INSULIN (physiology, pharmacodynamics, biosynthesis, metabolism); ISLANDS OF LANGERHANS (physiology); MUSCLES (cytology, metabolism); PROINSULIN (biosynthesis, metabolism); RECEPTORS, HORMONE.

Starzewska H

[ADRENAL RESERVE IN DIABETES INSIPIDUS TREATED WITH CHLORPROPAMIDE] Mazanek E, Zalewski J, Kowalski S, Panek E, Starzewska H *Endokrynol Pol* 26: 17-20, Jan-Feb 75 (Pol)

Stastny M

IMMOBILIZED GLUCOSE OXIDASE USED TO MEASURE GLUCOSE IN SERUM. Kunz HJ, Stastny M *Clin Chem* 20: 1018-22, Aug 74 (Eng)

Stave OT

[GLUCAGON THERAPY IN ACUTE PANCREATITIS] Stave OT *Tidsskr Nor Laegeforen* 94: 1466-7, 30 Aug 74 (Nor)

ACUTE DISEASE; AGED; FEMALE; GLUCAGON (therapeutic use, administration & dosage); HUMAN; INJECTIONS, INTRAVENOUS; MALE; PANCREATITIS (drug therapy).

Steinke J

FAILURE OF 6-AMINONICOTINAMIDE TO INHIBIT THE POTENTIATING EFFECT OF LEUCINE AND ARGININE ON GLUCOSE-INDUCED INSULIN RELEASE IN VITRO. MacDonald MJ, Ammon HP, Patel T, Steinke J *Diabetologia* 10: 761-5, Dec 74 (Eng)

Stenberg M

CHARGE INJECTION AND CHARGE STORAGE IN LIPID MULTILAYERS. Lundstrom I, Stenberg M *Chem Phys Lipids* 12: 287-302, Jul 74 (Eng)

Stern JS

EFFECTS OF STREPTOZOTOCIN ON GLUCOSE METABOLISM, INSULIN RESPONSE, AND ADIPOSITY IN OB/OB MICE. Batchelor BR, Stern JS, Johnson PR, Mahler RJ *Metabolism* 24: 77-91, Jan 75 (Eng)

Steven L

SOME CHEMICAL PARAMETERS OF SERUM, CEREBROSPINAL FLUID, PERILYMPH, AND AQUEOUS HUMOR OF THE CHINCHILLA. Juhn SK, Haugen J, Steven L *Lab Anim Sci* 24: 691-5, Aug 74 (Eng)

Stimmler L

DIABETES IN CHILDHOOD. Stimmler L *Guys Hosp Rep* 122: 17-23, 1973 (Eng)

ACIDOSIS (complications); ADOLESCENCE; ADULT; AGE FACTORS; AGED; BLOOD SUGAR; CHILD; CHILD, PRESCHOOL; DIABETES MELLITUS, JUVENILE (familial & genetic, etiology, therapy, complications); FEMALE; HUMAN; INFANT; INFANT, NEWBORN; INSULIN (physiology, therapeutic use); MALE; MIDDLE AGE; OBESITY (complications); PANCREATIC DISEASES (complications); SULFONYLUREA COMPOUNDS (therapeutic use).

Stoeber F

[MUTANTS FOR THE HEXURONATE TRANSPORT SYSTEM IN ESCHERICHIA COLI K 12: PHYSIOLOGICAL AND GENETIC ANALYSIS] Nemoz G, Robert-Baudouy J, Stoeber F *C R Acad Sci [D]* (Paris) 278: 675-8, 28 Jan 74 (Fre)

Stoianov Kh

[BIOCHEMICAL AND MORPHOLOGICAL STUDIES OF THE BLOOD AND LIVER IN COWS WITH KETOSIS] Simeonov S, Dimitrov A, Stoianov Kh *Vet Med Nauki* 11: 10-22, 1974 (Bul)

Stoltz JF

[EFFECT OF GLICLAZIDE ON PLATELET BEHAVIOR] Verry M, Dechavanne M, Desnoyers P, Stoltz JF, Vainer H *Nouv Presse Med* 3: 2099-100, 5 Oct 74 (Fre)

Storck R

[INFLUENCE OF ENDOTOXIN ON ADIPOSE TISSUE METABOLISM. Spitzer JA, Kovach AG, Rosell S, Sandor P, Spitzer JJ, Storck R *Adv Exp Med Biol* 33: 337-44, 1972 (Eng)

Stowers JM

[LONGITUDINAL STUDY OF UNTREATED CHEMICAL DIABETES. Logie AW, Stowers JM, Dingwall-Fordyce I *Br Med J* 4: 630-2, 14 Dec 74 (Eng)

Strakova A

[METABOLIC, HORMONAL AND ENZYMATIC FUNCTIONS OF RATS DURING RECOVERY FROM INJURY. Nemeth S, Vigas M, Strakova A *Adv Exp Med Biol* 33: 423-7, 1972 (Eng)

Strashimirov S

[ACUTE DIABETIC SYNDROME INDUCED IN RATS BY ANTI-INSULIN SERUM AS AN EXPERIMENTAL MODEL FOR THE STUDY OF SOME ANTIDIABETIC EFFECTS] Andreev D, Strashimirov S, Ditsov GD *Eksp Med Morfol* 13: 95-101, 1974 (Bul)

Strominger JL

EM49: A NEW POLYPEPTIDE ANTIBIOTIC ACTIVE AGAINST CELL MEMBRANES. Meyers E, Parker WL, Brown WE, Linnett P, Strominger JL *Ann NY Acad Sci* 235: 493-501, 10 May 74 (Eng)

Stromme JH

[MULTIPHASIC SCREENING PROGRAMME FOR SOMATIC DISEASES AMONG ELDERLY LONG-TERM PSYCHIATRIC PATIENTS. Gjesdal K, Stromme JH *Br J Psychiatry* 124: 564-72, Jun 74 (Eng)

Stromme SB

[UREA AND CREATININE PRODUCTION AND EXCRETION IN URINE DURING AND AFTER PROLONGED HEAVY EXERCISE. Refsum HE, Stromme SB *Scand J Clin Lab Invest* 33: 247-54, May 74 (Eng)

Stulii LA

[SOMATOTROPIN AND NONESTERIFIED FATTY ACID CONTENT DURING THE STANDARD GLUCOSE TOLERANCE TEST IN CHILDREN AND ADOLESCENTS FROM FAMILIES WITH THE HISTORY OF DIABETES MELLITUS] Stulii LA, Balabolkin MI, Rozhnov AA, Kasatkin IN, Smirnova LK *Probl Endokrinol (Mosk)* 20: 3-7, Sep-Oct 74 (Rus)

ADOLESCENCE; BLOOD SUGAR (analysis); CHILD; CHILD, PRESCHOOL; DIABETES MELLITUS (familial & genetic); ENGLISH ABSTRACT; FATTY ACIDS, NONESTERIFIED (blood); GLUCOSE TOLERANCE TEST; HUMAN; PREDIABETIC STATE (diagnosis, blood); SOMATOTROPIN (blood, secretion).

Stumpe KO

[HYPEROSMOLAR COMA] Stumpe KO, Kruck F *Med Klin* 69: 2051-62, 13 Dec 74 (Ger) [41] BLOOD SUGAR; DEHYDRATION (etiology); DIABETIC COMA (blood, complications, drug therapy); FATTY ACIDS, NONESTERIFIED (blood); GLUCOSE (therapeutic use); HUMAN; HYPERGLYCEMIA (etiology); INSULIN

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Sud IJ

[BASIS FOR THE SELECTIVITY OF ACTION OF THE POLYMYXIN ANTIBIOTICS ON CELL MEMBRANES. Feingold DS, HsuChen CC, Sud IJ *Ann NY Acad Sci* 235: 480-92, 10 May 74 (Eng)

Suematsu H

[CHANGES OF SERUM GROWTH HORMONE IN PSYCHOSOMATIC DISORDERS. Suematsu H, Kurokawa N, Tamai H, Ikemi Y *Psychother Psychosom* 24: 161-4, 1974 (Eng) HUMAN; PSYCHOPHYSIOLOGIC DISORDERS (blood, drug therapy); SOMATOTROPIN (blood); RADIOIMMUNOASSAY; ANOREXIA NERVOSA (blood); DEPRESSION, REACTIVE (blood); ASTHMA (blood); STRESS, PSYCHOLOGICAL (blood); FASTING; TRANQUILIZING AGENTS (therapeutic use, pharmacodynamics); CHLORPROMAZINE (therapeutic use, pharmacodynamics); DOPA (therapeutic use, pharmacodynamics); STIMULATION, CHEMICAL; DEPRESSION, CHEMICAL.

Sueno M

[OCULAR ULTRASONIC BLOOD RHEOGRAPHY WITH O-CROSS COUNTER. REPORT IV. STUDIES OF DIABETIC RETINOPATHY] Yamamoto Y, Hirano S, Kaburagi H, Tomota M, Sueno M *Acta Soc Ophthalmol Jpn* 78: 913-25, 10 Sep 74 (Jpn)

Sukegawa Y

[EFFECTS OF PHOTOCOAGULATION ON THE VELOCITY OF RETINAL CIRCULATION IN DIABETIC RETINOPATHY (AUTHORS TRANSL.) Okano T, Horiuchi T, Saruya S, Sukegawa Y *Acta Soc Ophthalmol Jpn* 78: 926-38, 10 Sep 74 (Jpn)

Summers RJ

[THE EFFECT OF MONOAMINE OXIDASE INHIBITORS ON THE RECTAL TEMPERATURE OF THE RAT. Summers RJ *J Pharm Pharmacol* 26: 335-43, May 74 (Eng) RATS; MALE; COMPARATIVE STUDY; ANIMAL EXPERIMENTS; MONOAMINE OXIDASE INHIBITORS (pharmacodynamics); BODY TEMPERATURE (drug effects); RECTUM (physiology); INJECTIONS, INTRAPERITONEAL; HYPOTHERMIA, INDUCED; NIALAMIDE (pharmacodynamics); PHENELZINE (pharmacodynamics); TRANLYCPROMINE (pharmacodynamics); BLOOD SUGAR; NOREPINEPHRINE (metabolism); TRITIUM; LIVER (enzymology); HYPOTHALAMUS (enzymology); MONOAMINE OXIDASE (metabolism); MYOCARDIUM (metabolism); INDOLES (pharmacodynamics); ALKALOIDS (pharmacodynamics).

Surmaczynska BZ

[CARBOHYDRATE METABOLISM IN PREGNANCY. XII. THE EFFECT OF ORAL GLUCOSE ON PLASMA CONCENTRATIONS OF HUMAN PLACENTAL LACTOGEN AND CHORIONIC GONADOTROPIN DURING LATE PREGNANCY IN NORMAL SUBJECTS AND GESTATIONAL DIABETICS. Surmaczynska BZ, Nitzan M, Metzger BE, Freinkel N *Isr J Med Sci* 10: 1481-6, Dec 74 (Eng) ADMINISTRATION, ORAL; ADULT; BLOOD SUGAR (analysis); FEMALE; GLUCOSE TOLERANCE TEST; GLUCOSE (pharmacodynamics); GONADOTROPINS,

CHORIONIC (blood); HUMAN; MIDDLE AGE; PLACENTAL LACTOGEN (blood); PREGNANCY IN DIABETES (blood); PREGNANCY; PREGNANCY, THIRD TRIMESTER; RADIOIMMUNOASSAY.

Suryawanshi SA

[PANCREATIC ALPHA CELL FUNCTION IN RELATION TO CHOLESTEROL METABOLISM IN BANDICOTA BENGALENSIS. Suryawanshi SA, Sontakke KK, Kumar VR *Endokrynol Pol* 26: 21-3, Jan-Feb 75 (Eng) ANIMAL EXPERIMENTS; CHLORIDES (pharmacodynamics); CHOLESTEROL (blood, metabolism); COBALT (pharmacodynamics); HYPERCHOLESTEREMIA (etiology); ISLANDS OF LANGERHANS (secretion, drug effects); RATS.

Sutton J

[SERUM CHOLESTEROL AND SERUM TRIGLYCERIDE LEVELS IN AUSTRALIAN ADOLESCENT MALES. Hickie JB, Sutton J, Russo P, Ruys J, Kraegen EW *Med J Aust* 1: 825-8, 25 May 74 (Eng)

Symons LE

[BASAL METABOLIC RATE AND LIPID AND LIVER GLYCOPEN IN MICE INFECTED BY THE NEMATODE NEMATOSPIROIDES DUBIUS. Symons LE, Jones WO *Int J Parasitol* 4: 301-5, Jun 74 (Eng) MICE; ANIMAL EXPERIMENTS; MALE; HOOKWORM INFECTIONS (metabolism); LIPIDS (metabolism); LIVER GLYCOGEN (metabolism); BASAL METABOLISM; CARBON DIOXIDE (analysis); GLUCOSE (metabolism, administration & dosage); CARBON RADIOISOTOPES; INJECTIONS, INTRAPERITONEAL; BODY WEIGHT.

Syvalahti E

[THE EFFECT OF PRACTOLOL ON CIRCULATORY RESPONSE AFTER SYMPATHETIC STIMULATION AND ON PLASMA GROWTH HORMONE AND INSULIN LEVELS. Syvalahti E, Iisalo E, Leppanen O *Ann Clin Res* 6: 258-65, Oct 74 (Eng) BLOOD PRESSURE (drug effects); CLINICAL RESEARCH; DOSE-RESPONSE RELATIONSHIP, DRUG; EXERCISE TEST; GLYCERYL TRINITRATE (pharmacodynamics); HEART RATE (drug effects); HEMODYNAMICS (drug effects); HUMAN; INSULIN (blood); PHYSICAL STIMULATION; PLACEBOS; PRACTOLOL (pharmacodynamics, blood); SEX FACTORS; SOMATOTROPIN (blood); STIMULATION, CHEMICAL; TIME FACTORS.

Szabolcs S

[PREVENTION OF THE RESPIRATORY DISTRESS SYNDROME IN THE NEWBORN BY STEROID THERAPY OF THE MOTHER BEFORE DELIVERY] Jmre H, Istvan F, Szabolcs S, Karoly M *Orv Hetil* 116: 195-6, 26 Jan 75 (Hun)

Szczepski O

[EFFECT OF LOW-CALORIE DIET ON LIPOLYTIC ENZYMES AND OTHER INDEXES AND PSYCHOLOGICAL BEHAVIOR OF CHILDREN WITH ORDINARY OBESITY] Szczepski O, Walczak M, Korman E, Socha J, Waligora A, Waligora Z *Endokrynol Pol* 25: 31-42, Jan-Feb 74 (Pol) ENGLISH ABSTRACT; CHILD; ADOLESCENCE; HUMAN; OBESITY (therapy, enzymology); DIET, REDUCING; LIPIDS (metabolism); CHOLINESTERASE (blood); PHOSPHOLIPASE (blood); LIPASE (blood); EMOTIONS.

Szulc EJ

[MYOCARDIAL INFARCT AS A CAUSE OF DEATH IN DIABETICS TREATED AT A HOSPITAL DEPARTMENT FOR INTERNAL

Diabetes Literature—Author Index

Tadokoro I

DISEASES Szulc EJ *Wiad Lek* 27: 205-7, 1 Feb 74 (Pol)
AGE FACTORS; AGED; ARTERIOSCLEROSIS (etiology); **DIABETES MELLITUS** (complications); **ENGLISH ABSTRACT**; **FEMALE; HEART ARREST** (therapy); **HUMAN; MALE; MIDDLE AGE; MYOCARDIAL INFARCT** (mortality, etiology); **SEX FACTORS**.

Tadokoro I

NITROBLUE TETRAZOLIUM (NBT)-DYE TEST AND THE MYELOPEROXIDASE REACTION OF HUMAN LEUKOCYTES. Okuda K, Tadokoro I, Noguchi Y *Jpn J Microbiol* 18: 337-42, Sep 74 (Eng)

Takeuchi A

[LIPOATROPHIC DIABETES WITH FAT MALABSORPTION (AUTHORS TRANSL.)] Imawari M, Takeuchi A, Yamaji T, Kitamura T, Akanuma Y *J Jpn Soc Intern Med* 63: 656-62, 10 Jul 74 (Jpn)

Tamai H

CHANGES OF SERUM GROWTH HORMONE IN PSYCHOSOMATIC DISORDERS. Suematsu H, Kurokawa N, Tamai H, Ikemi Y *Psychother Psychosom* 24: 161-4, 1974 (Eng)

Tamura Y

FLUOROMETRIC ASSAY FOR DISCRIMINATING THE STATES OF AMINO GROUPS IN INSULIN, LYSOZYME AND ASPARAGINASE WITH FLUORESCAMINE. Tamura Y, Todokoro K, Ikebe M, Makino H, Hirose S *FEBS Lett* 50: 70-3, 15 Jan 75 (Eng)

AMINES (analysis); **ASPARAGINASE**; **BACITRACIN**; **CATTLE; CHICKENS**; **EGG WHITE; ESCHERICHIA COLI** (enzymology); **FLUORESCENT DYES**; **HYDROGEN-ION CONCENTRATION**; **INSULIN**; **METHODS**; **MURAMIDASE**; **PROTEIN BINDING**; **SPECTROMETRY**; **FLUORESCENCE**.

Tandanand S

CHLORPROPAMIDE **HYPONATREMIA**. Dunchaiyijit S, Tandanand S *J Med Assoc Thai* 57: 496-9, Oct 74 (Eng)

Tang SC

THE GLUCAGON INFUSION TEST AND GROWTH HORMONE SECRETION. AvRuskin TW, Tang SC, Juan CS *J Pediatr* 86: 102-6, Jan 75 (Eng)

Tang ST

LETTER: HYPOGLYCAEMIA ASSOCIATED WITH INTRATHORACIC MESOTHELIOMA. Leung JS, Tang ST *Br Med J* 4: 657, 14 Dec 74 (Eng)

Tani E

FREEZE-FRACTURE IMAGES OF CAPILLARIES IN NORMAL AND NEOPLASTIC PITUITARIES. Tani E, Ikeda K, Kudo S, Yamagata S, Makita Y *Acta Neuropathol (Berl)* 28: 105-16, 1974 (Eng)

RATS; **ANIMAL EXPERIMENTS**; **HUMAN**; **PITUITARY NEOPLASMS** (pathology); **CAPILLARIES** (pathology, cytology); **FREEZING**; **ADENOMA**; **CHROMOPHOBE** (pathology); **ENDOTHELIUM**; **CELL MEMBRANE**; **PITUITARY GLAND** (cytology, blood supply); **MICROSCOPY**; **ELECTRON**.

Tanner RD

PH CONTROL AND THE SHOULDER EFFECT IN PARALLEL FERMENTATION PATHWAYS. Tanner RD, Overlay JR *Biotechnol Bioeng* 16: 485-500, Apr 74 (Eng)
HYDROGEN-ION CONCENTRATION; **FERMENTATION**; **LACTOBACILLUS** (metabolism); **MODELS**; **BIOLOGICAL**; **MATHEMATICS**; **TEMPERATURE**; **LACTATES** (biosynthesis); **GLYCOLYSIS**; **GLUCOSE** (metabolism); **OXYGEN CONSUMPTION**.

Tarli P

HUMAN PITUITARY GROWTH HORMONE: SOLUBILITY IN AMMONIUM SULFATE SOLUTIONS. Tarli P, Li CH *Arch Biochem Biophys* 161: 696-7, 2 Apr 74 (Eng)
HUMAN; FEMALE; COMPARATIVE STUDY; **SOMATOTROPIN** (secretion); **PITUITARY GLAND** (secretion); **SOLUBILITY**; **AMMONIUM SULFATE**; **OSMOLAR CONCENTRATION**; **SPECIES SPECIFICITY**; **SHEEP**; **PLACENTAL LACTOGEN**; **SPECTROPHOTOMETRY**; **ULTRAVIOLET**.

Tarshis MA

[ISOLATION OF MEMBRANE PREPARATIONS FROM ACHOLEPLASMA LAIDLAWII CELLS AND THEIR TRANSPORT CHARACTERISTICS] Fedotov NS, Panchenko LF, Tarshis MA *Mikrobiologiya* 43: 543-5, 1974 (Rus)

Tavassoli M

MARROW ADIPOSE CELLS. ULTRASTRUCTURAL AND HISTOCHEMICAL CHARACTERIZATION. Tavassoli M *Arch Pathol* 98: 189-92, Sep 74 (Eng)

RABBITS; **ANIMAL EXPERIMENTS**; **BONE MARROW CELLS** (cytology, metabolism); **ADIPOSE TISSUE** (cytology); **STERNUM** (cytology); **RIBS** (cytology); **LUMBAR VERTEBRAE** (cytology); **THORACIC VERTEBRAE** (cytology); **FEMUR** (cytology); **TIBIA** (cytology); **CALCANEUS** (cytology); **STAINS AND STAINING**; **HISTOCYTOCHEMISTRY**; **MICROSCOPY**; **ELECTRON**; **CYTOPLASM**; **LIPIDS** (metabolism); **FATTY ACIDS** (metabolism); **COLLAGEN** (metabolism).

Taylor KW

THE DEVELOPMENT OF DIABETES FOLLOWING COXSACKIE B VIRUS INFECTION IN MICE. Coleman TJ, Taylor KW, Gamble DR *Diabetologia* 10: 755-9, Dec 74 (Eng)

Tchobroutsky G

SEX RELATED DIURNAL VARIATIONS IN VENOUS BLOOD GLUCOSE AND PLASMA INSULIN LEVELS. EFFECTS OF ESTROGENS IN MEN. Hauteceuvre M, Slama G, Assan R, Tchobroutsky G *Diabetologia* 10: 725-30, Dec 74 (Eng)

Tepavcevic P

[DISORDERS OF CARBOHYDRATE TOLERANCE IN PATIENTS WITH CHRONIC AZOTEMIA] Kovac T, Lepsanovic L, Tepavcevic P *Med Arh* 28: 399-404, Jul-Aug 74 (Ser)

Terblanche J

CURRENT CONCEPTS RELATING TO METABOLIC CHANGES AFTER PORTACAVAL SHUNTS AND ALCOHOL AND THE PANCREAS. (2). ALCOHOL AND THE PANCREAS. Wheatley IC, Waterworth MW, Barbezat GO, Bank S, Marks S, Hickman R, Terblanche JS *Afr J Surg* 12: 202-4, Dec 74 (Eng)

Termine JD

BETA-PLEATED SHEET FIBRILS. A COMPARISON OF NATIVE AMYLOID WITH SYNTHETIC PROTEIN FIBRILS. Glenner GG, Eanes ED, Bladen HA, Linke RP, Termine JD *J Histochem Cytochem* 22: 1141-58, Dec 74 (Eng)

Tetrick L

PHYSICIANS GUIDELINES FOR THE DIABETIC IN INDUSTRY. Alexander RW, Tetrick L, Friedman GJ *J Occup Med* 16: 802-3, Dec 74 (Eng)

Thain ME

COEXISTENCE OF DIABETES MELLITUS AND CELIAC DISEASE. Thain ME, Hamilton RW, Ehrlich RM *J Pediatr* 85: 527-9, Oct 74 (Eng)

ADOLESCENCE; CELIAC DISEASE

(complications, diet therapy, occurrence); **CHILD**; **CHILD. PRESCHOOL**; **DIABETES MELLITUS**; **JUVENILE** (complications, occurrence); **HUMAN**; **INFANT**; **MALE**.

Thamm R

ON THE FORMATION OF ACETYL-COA FROM GLUTAMINE AND THE MUTUAL INTERCONVERSION BETWEEN OXALOACETATE AND PYRUVATE IN RABBIT RETICULOCYTES. Muller M, Thamm R, Rapoport S *FEBS Lett* 42: 279-81, 15 Jun 74 (Eng)

Theile L

[BIOLOGICAL AND RADIOIMMUNOLOGICAL STUDIES ON HUMAN PROLACTIN, HUMAN GROWTH HORMONE, AND HUMAN PLACENTAL LACTOGEN] Lindenmeyer D, Horning D, Theile L *Eur Orthod Soc Rep Congr* 63: 217-24, May 74 (Eng)

Thistlethwaite D

PROCEEDINGS: FAMILIAL GLUCOCORTICOID DEFICIENCY. Thistlethwaite D, Darling JA, Fraser R, Rees LH, Harkness RA *J Endocrinol* 63: 48p-49p, Nov 74 (Eng)
ADULT; **ALDOSTERONE** (blood); **CORTICOSTERONE** (blood); **CORTICOTROPIN** (blood, therapeutic use); **CORTISONE** (therapeutic use); **FSH** (blood); **GLUCOCORTICOIDS** (deficiency); **HUMAN**; **HYDROCORTISONE** (blood); **HYPERGLYCEMIA** (familial & genetic); **LH** (blood); **MALE**; **METABOLISM**; **INBORN ERRORS** (drug therapy); **MSH** (blood); **PIGMENTATION**; **POTASSIUM** (blood); **PREGNANETRIOL** (urine); **SODIUM** (blood); **SOMATOTROPIN** (blood); **THYROTROPIN** (blood); **17-HYDROXYCORTICOSTEROIDS** (urine).

Thoeke H

[BEHAVIOR OF THE FATTY ACID PATTERN OF TRIGLYCERIDES IN LIVER PARENCHYMA AND DEPOT FATS IN DIABETIC PATIENTS IN RELATION TO FATTY LIVER] Singer P, Gnauck G, Thoeke H, Honigsmann G, Buntrock P, Kettler LH *Dtsch Z Verdau Stoffwechselk* 34: 27-35, 1974 (Ger)

Thomas E

EPISODIC WEAKNESS IN THYROTOXICOSIS. Isaacs B, Thomas E, Hall JA *Practitioner* 213: 69-72, Jul 74 (Eng)

Thomas GH

PROCEEDINGS: INSULIN AND TESTOSTERONE RESPONSES IN CULTURED PROSTATE. Fuller DJ, Coleshill SM, Chan KM, Thomas GH *J Endocrinol* 63: 59p, Nov 74 (Eng)

Thomas M

AORTIC VELOCITY AND ACCELERATION MEASUREMENTS IN THE ASSESSMENT OF CORONARY HEART DISEASE. Jewitt D, Gabe I, Mills C, Maurer B, Thomas M, Shillingford J *Eur J Cardiol* 1: 299-305, Mar 74 (Eng)

Thompson G

LETTER: DIET AND CORONARY HEART DISEASE. Thompson G *Lancet* 2: 102, 13 Jul 74 (Eng)
HUMAN; **CORONARY DISEASE** (etiology, blood); **ARTERIOSCLEROSIS** (etiology, blood); **DIETARY FATS**; **DIET**; **LIPIDS** (blood); **DIET**; **ATHEROGENIC**; **CHOLESTEROL** (blood); **HYPERLIPIDEMIA** (complications, prevention & control).

Thompson RH

GLUCOSE UTILIZATION BY SWEAT GLANDS DURING FASTING IN MAN. Benson JW Jr, Buja ML, Thompson RH, Gordon RS Jr *J Invest Dermatol* 63: 287-91, Sep 74 (Eng)

Thoren L

GENERAL METABOLIC RESPONSE TO TRAUMA INCLUDING PAIN INFLUENCE. Thoren L. *Acta Anaesthesiol Scand [Suppl]* 9:14, 1974 (Eng)

ACETYLCHOLINE (metabolism); ALBUMINURIA (metabolism); ALDOSTERONE (blood); CORTICOTROPIN (blood); HISTAMINE (metabolism); HUMAN; HYDROCORTISONE (blood); INSULIN (blood); NEURONS, AFFERENT (physiopathology); OXYGEN CONSUMPTION; POSTOPERATIVE COMPLICATIONS (metabolism); RENIN (blood); SEROTONIN (metabolism); SOMATOTROPIN (metabolism); TESTOSTERONE (blood); THYROID HORMONES (metabolism); VASOPRESSIN (metabolism); WOUNDS AND INJURIES (metabolism); 17-HYDROXYCORTICOSTEROIDS (blood).

Thornby JI

THE EFFECT OF ACUTE FASTING ON SLEEP AND THE SLEEP-GROWTH HORMONE RESPONSE. Karacan I, Rosenbloom AL, Londono JH, Salis PJ, Thornby JI, Williams RL. *Psychosomatics* 14: 33-7, Jan-Feb 73 (Eng)

Thorner MO

LONG-TERM INFUSION OF GROWTH HORMONE RELEASE INHIBITING HORMONE IN ACROMEGALY: EFFECTS ON PITUITARY AND PANCREATIC HORMONES. Besser GM, Mortimer CH, McNeilly AS, Thorner MO, Batistoni GA, Bloom SR, Kastrup KW, Hanssen KF, Hall R, Coy DH, Kastin AJ, Schally AV. *Br Med J* 4: 622-7, 14 Dec 74 (Eng)

PROCEEDINGS: THE RELATIONSHIP BETWEEN PROLACTIN AND GONADOTROPINS: EFFECTS OF CLOMIPHENE ADMINISTRATION IN NORMAL MEN. Thorner MO, Besser GM, Hagen C, McNeilly AS. *J Endocrinol* 63: 43p-44p, Nov 74 (Eng)

ADULT; ANDROGENS (blood); CLOMIPHENE (pharmacodynamics); ESTROGENS (blood); FEMALE; GONADOTROPINS (blood); GONADOTROPINS, CHORIONIC (pharmacodynamics); HUMAN; HYDROXYSTEROIDS (blood); HYPOGLYCEMIA (blood); HYPOGONADISM (blood); MALE; MENOTROPINS (pharmacodynamics); PROLACTIN (blood, deficiency, antagonists & inhibitors); SULPRIDE (pharmacodynamics); THYROTROPIN RELEASING HORMONE (pharmacodynamics).

Thorngren KG

BIOASSAY OF GROWTH HORMONE. II. DETERMINATION OF LONGITUDINAL BONE GROWTH WITH TETRACYCLINE IN THYROID-TREATED HYPOPHYSECTOMIZED RATS. Thorngren KG, Hansson LI. *Acta Endocrinol (Kbh)* 75: 669-82, Apr 74 (Eng)

RATS; ANIMAL EXPERIMENTS; FEMALE; TIBIA (drug effects, growth & development); SOMATOTROPIN (pharmacodynamics, administration & dosage); TETRACYCLINE (diagnostic use); THYROIDINE (pharmacodynamics, administration & dosage); BIOLOGICAL ASSAY; HYPOPHYSECTOMY; PITUITARY GLAND (physiology); STIMULATION, CHEMICAL; DOSE-RESPONSE RELATIONSHIP, DRUG; INJECTIONS, SUBCUTANEOUS; TIME FACTORS; MICROSCOPY, FLUORESCENCE; CARTILAGE (drug effects); BODY WEIGHT (drug effects).

BIOASSAY OF GROWTH HORMONE. I. DETERMINATION OF LONGITUDINAL BONE GROWTH WITH TETRACYCLINE IN HYPOPHYSECTOMIZED RATS. Thorngren KG, Hansson LI. *Acta Endocrinol (Kbh)* 75: 653-68, Apr 74 (Eng)

RATS; ANIMAL EXPERIMENTS; FEMALE; SOMATOTROPIN (pharmacodynamics, administration & dosage); TIBIA (drug effects, growth & development, cytology); TETRACYCLINE (diagnostic use); BIOLOGICAL ASSAY; HYPOPHYSECTOMY; PITUITARY GLAND (physiology); INJECTIONS, SUBCUTANEOUS; MICROSCOPY, FLUORESCENCE; DOSE-RESPONSE RELATIONSHIP, DRUG; CARTILAGE (drug effects); BODY WEIGHT (drug effects); STIMULATION, CHEMICAL; STAINS AND STAINING; TIME FACTORS.

Thorp SL

EFFECTS OF GLUCAGON UPON RAT LIVER MITOCHONDRIA IN VIVO. Williams JN Jr, Thorp SL. *Proc Soc Exp Biol Med* 147: 803-6, Dec 74 (Eng)

Thoulon JM

ALPHA 1-ANTITRYPSIN IN AMNIOTIC FLUID. Guibaud S, Bonnet M, Thoulon JM, Dumont M. *Obstet Gynecol* 45: 34-8, Jan 75 (Eng)

Thran V

[BLOOD SERUM EXAMINATION IN MOTHERLESS PIGLETS FROM BIRTH TO THE AGE OF SIX WEEKS (KEPT IN CAGES TILL 30 DAYS OLD). I. GOT, GLUCOSE, HEMATOLOGIC STATUS] Marx D, Loeffler K, Thran V. *Berl Munch Tierarztl Wochenschr* 87: 290-5, 1 Aug 74 (Ger)

Tiefenbrun J

IN VIVO MODELING FOR GLUCOSE HOMEOSTASIS. Finkelstein SM, Bleicher MA, Batthany S, Tiefenbrun J. *IEEE Trans Biomed Eng* 22: 47-52, Jan 75 (Eng)

Tietz A

ACYLATION OF MONOGLYCERIDES BY LOECUST FAT-BODY MICROSOMES. Peled Y, Tietz A. *FEBS Lett* 41: 65-8, 15 Apr 74 (Eng)

Tiffany TO

OPTIMIZATION AND ANALYTICAL APPLICATIONS OF THE TECHNIQUE DYNAMIC INTRODUCTION OF LIQUIDS INTO CENTRIFUGAL ANALYZERS. Burtis CA, Johnson WF, Overton JB, Tiffany TO, Mailen JC. *Clin Chem* 20: 932-41, Aug 74 (Eng)

Tipton CM

A SUBMAXIMAL TEST FOR DOGS: EVALUATION OF EFFECTS OF TRAINING, DETRAINING, AND CAGE CONFINEMENT. Tipton CM, Carey RA, Eastin WC, Erickson HH. *J Appl Physiol* 37: 271-5, Aug 74 (Eng)

DOGS; ANIMAL EXPERIMENTS; MALE; EXERTION; PHYSICAL FITNESS; HEART RATE; BLOOD PRESSURE; CORONARY CIRCULATION; BODY TEMPERATURE; HEMOGLOBINOMETRY; HEMATOCRIT; FATTY ACIDS, NONESTERIFIED (blood); LACTATES (blood); PYRUVATES (blood); BLOOD SUGAR; ATROPINE (pharmacodynamics).

Tisdall LH

CESAREAN SECTION IN THE MASSIVELY OBESE. Sicuranza BJ, Tisdall LH. *J Reprod Med* 14: 10-1, Jan 75 (Eng)

Tishenina RS

[LIPOMOBILIZING FACTOR OF BLOOD IN THE PATHOGENESIS OF HYPERLIPIDEMIA IN EXPERIMENTAL DIABETES MELLITUS] Tishenina RS. *Probl Endokrinol (Mosk)* 20: 95-9, Sep-Oct 74 (Rus)

ALLOXAN DIABETES (blood); ANIMAL EXPERIMENTS; BLOOD SUGAR (analysis); ENGLISH ABSTRACT; FATTY ACIDS, NONESTERIFIED (blood); HYPERLIPIDEMIA (etiology); LIPID MOBILIZATION; LIPIDS

(blood); LIPOPROTEINS (blood); MALE; RABBITS.

Todd J

A NONCULTURE METHOD FOR HOME FOLLOW-UP OF URINARY TRACT INFECTIONS IN CHILDHOOD. Todd J, McLain L, Duncan B, Brown M. *J Pediatr* 85: 514-6, Oct 74 (Eng)

ADOLESCENCE; BACTERIOLOGICAL TECHNIQS; BACTERIURIA (diagnosis); CHILD; CHILD, PRESCHOOL; COMPARATIVE STUDY; ENTEROBACTERIACEAE INFECTIONS (diagnosis); FEMALE; GLYCOSURIA (diagnosis); HUMAN; INDICATORS AND REAGENTS (diagnostic use); MALE; METHODS; RECURRENCE; URINARY TRACT INFECTIONS (diagnosis, urine).

Todokoro K

FLUOROMETRIC ASSAY FOR DISCRIMINATING THE STATES OF AMINO GROUPS IN INSULIN, LYSOZYME AND ASPARAGINASE WITH FLUORESCAMINE. Tamura Y, Todokoro K, Ikebe M, Makino H, Hirose S. *FEBS Lett* 50: 70-3, 15 Jan 75 (Eng)

Toei N

[WDHA (WATERY DIARRHEA, HYPOKALEMIA, A CHLORHYDRIA) SYNDROME] Saito R, Himeno S, Toei N. *Jap J Clin Med* 32: 711-8, 10 Apr 74 (Jap) [38]

Tokuhata GK

DIABETES MELLITUS: AN UNDERESTIMATED PUBLIC HEALTH PROBLEM. Tokuhata GK, Miller W, Digon E, Hartman T. *J Chronic Dis* 28: 23-35, Jan 75 (Eng)

ADULT; AGED; ARTERIOSCLEROSIS (complications); CARDIOVASCULAR DISEASES (complications); CEREBROVASCULAR DISORDERS (complications); CHRONIC DISEASE; DEATH CERTIFICATES; DIABETES MELLITUS (mortality, complications); FEMALE; HUMAN; HYPERTENSION (complications); KIDNEY DISEASES (complications); MALE; MIDDLE AGE; MYOCARDIAL INFARCT (complications); OBESITY (complications); PENNSYLVANIA; PUBLIC HEALTH; QUESTIONNAIRES; SEX FACTORS.

Tomik F

[CONCERNING THE RELATIONSHIP BETWEEN SERUM LIPIDS AND LIVER STEATOSIS IN DIABETIC RETINOPATHY AND NEPHROPATHY (AUTHORS TRANSL.)] Kolesar P, Brixova E, Tomik F. *Bratisl Lek Listy* 62: 662-9, Dec 74 (Slo)

Tomonaga M

EFFECTS OF SURGICAL TREATMENT ON HYPOTHALAMO-PITUITARY-ADRENOCORTICAL FUNCTIONS IN PITUITARY CHROMOPHOBE ADENOMA AND CRANIOPHARYNGIOMA. Nishida S, Ando S, Kitamura K, Tomonaga M. *Endocrinol Exp (Bratisl)* 8: 269-79, Dec 74 (Eng)

Tomota M

[OCULAR ULTRASONIC BLOOD RHEOGRAPHY WITH O-CROSS COUNTER. REPORT IV. STUDIES OF DIABETIC RETINOPATHY] Yamamoto Y, Hirano S, Kaburagi H, Tomota M, Sueno M. *Acta Soc Ophthalmol Jpn* 78: 913-25, 10 Sep 74 (Jpn)

Toogood S

FACTORY ACCIDENTS AND CARBOHYDRATE SUPPLEMENTS. Brooke JD, Toogood S. *Proc Nutr Soc* 32: 94a-95a, Dec 73 (Eng)

Toon PA

COMPLETE CONTROL OF THE LIPID ENVIRONMENT OF MEMBRANE-BOUND

Diabetes Literature—Author Index

Torresani J

PROTEINS: APPLICATION TO A CALCIUM TRANSPORT SYSTEM. Warren GB, Toon PA, Birdsall NJ, Lee AG, Metcalfe JC *FEBS Lett* 41: 122-4, 15 Apr 74 (Eng)

Torresani J

[MEDICAL TREATMENT OF MYOCARDIAL INFARCT IN THE ACUTE PHASE] Trignano JA, Torresani J, Jouve A *Rev Prat* 24: 5019-20, 5023-4, 5029-30 *passim*, 7-11 Dec 74 (Fre)

Track NS

PATHOMORPHOLOGIC, BIOCHEMICAL, AND DIAGNOSTIC ASPECTS OF GASTRINOMAS (ZOLLINGER-ELLISON SYNDROME). Creutzfeldt W, Arnold R, Creutzfeldt C, Track NS *Hum Pathol* 6: 47-76, Jan 75 (Eng)

Trafford JA

CHANGES IN GLUCOSE TOLERANCE, INSULIN, SERUM LIPIDS AND LIPOPROTEINS IN PATIENTS WITH RENAL FAILURE ON INTERMITTENT HAEMODIALYSIS. Arora KK, Atkinson MK, Trafford JA, Sheldon J, Nunn R *Postgrad Med J* 49: 293-6, May 73 (Eng)

Trignano JA

[MEDICAL TREATMENT OF MYOCARDIAL INFARCT IN THE ACUTE PHASE] Trignano JA, Torresani J, Jouve A *Rev Prat* 24: 5019-20, 5023-4, 5029-30 *passim*, 7-11 Dec 74 (Fre)
ADRENERGIC BETA RECEPTOR BLOCKADERS (therapeutic use); ANALGESICS AND ANTIPYRETICS (therapeutic use); ANTICOAGULANTS (therapeutic use, adverse effects); BLOOD COAGULATION TESTS; EXERCISE THERAPY; FIBRINOLYTIC AGENTS (therapeutic use); GLUCOSE (therapeutic use); HEPARIN (adverse effects); HUMAN; HYALURONIDASE (therapeutic use); HYDROCORTISONE (therapeutic use); INFUSIONS, PARENTERAL; INSULIN (therapeutic use); MYOCARDIAL INFARCT (therapy, drug therapy, diet therapy); OXYGEN INHALATION THERAPY; PENTAZOCINE (therapeutic use); POTASSIUM (therapeutic use); STREPTODORNASE AND STREPTOKINASE (therapeutic use); SPECIAL LIST FOREIGN; WATER-ELECTROLYTE BALANCE.

Troch F

[DIABETES AND PREGNANCY] Troch F *FNIB* 52: 11-25, Aug 74 (Dut)
ADULT; DELIVERY; FEMALE; HUMAN; INFANT CARE; INFANT, NEWBORN; LABOR; POSTNATAL CARE; PREGNANCY IN DIABETES (nursing); PREGNANCY; PRENATAL CARE; SPECIAL LIST NURSING.

Troshin AS

[MECHANISM OF ACTION OF OUABAIN ON CARBOHYDRATE TRANSPORT IN FROG SKELETAL MUSCLES] Nikolskii NN, Skopicheva VI, Troshin AS *Dokl Akad Nauk SSSR* 219: 1231-4, 1974 (Rus)

Trott DR

GLUCONEOGENESIS IN RUMINANTS: GLUCOSE KINETIC PARAMETERS IN CALVES UNDER STANDARDIZED CONDITIONS. Young JW, Trott DR, Berger PJ, Schmidt SP, Smith JA *J Nutr* 104: 1049-55, Aug 74 (Eng)

Truffa-Bachi P

AMINO ACID METABOLISM. Truffa-Bachi P, Cohen GN *Annu Rev Biochem* 42: 113-34, 1973 (Eng) [137]
REVIEW; AMINO ACIDS (metabolism); BIOLOGICAL TRANSPORT; SALMONELLA TYPHIMURIUM (enzymology); OPERON; HISTIDINE (biosynthesis); RNA, TRANSFER; ESCHERICHIA COLI (enzymology); AMINOTRANSFERASES; ANTHRANILIC ACID; GENES, REGULATOR; CYCLOHEXANECARBOXYLIC ACIDS;

ENZYME INDUCTION; TRYPTOPHAN SYNTHETASE; ENZYME REPRESSION; PHENYLALANINE (biosynthesis); HEPTOSES; TYROSINE (biosynthesis); ALDEHYDE-LYASES; GLUTAMINE SYNTHETASE; GENES, STRUCTURAL; ENZYMES (biosynthesis); BACTERIA (enzymology); MAMMALS; GLUTAMATES (metabolism); EVOLUTION.

Tschabitscher H

[FAMILIAL OCCURRENCE OF FAHRS SYNDROME] Pernhaupt G, Tschabitscher H, Wessely P *Nervenarzt* 45: 647-53, Dec 74 (Ger)

Tsuchida H

[ETIOLOGY OF DIABETIC NEPHROPATHY--A MORPHOLOGICAL APPROACH] Hirose K, Shishido H, Tsuchida H *Jpn J Clin Med* 32: 3148-55, Oct 74 (Jpn)

Tsujimoto A

COMPARISON OF PHARMACOLOGICAL RESPONSES TO NICOTINE AND RELEASE OF CATECHOLAMINES FROM THE ADRENALS IN DOGS AND MONKEYS. Tsujimoto A, Nishikawa T, Doi T, Kojima S *Eur J Pharmacol* 26: 236-42, May 74 (Eng)
DOGS; MONKEYS; ANIMAL EXPERIMENTS; COMPARATIVE STUDY; NICOTINE (pharmacodynamics); CATECHOLAMINES (metabolism, blood); ADRENAL GLANDS (metabolism, drug effects); SPECIES SPECIFICITY; EPINEPHRINE (pharmacodynamics); BLOOD PRESSURE (drug effects); HEART RATE (drug effects); BLOOD SUGAR; FATTY ACIDS, NONESTERIFIED (blood); POTASSIUM (blood); SPECTROPHOTOMETRY, ATOMIC ABSORPTION; RESPIRATION (drug effects); DOSE-RESPONSE RELATIONSHIP, DRUG; TIME FACTORS; FEMORAL ARTERY; VENAE CAVAE.

Tsvetanov L

[INTESTINAL HORMONES IN DIABETES] Tsvetanov L *Vutr Boles* 13: 1-6, 1974 (Bul) [40]
CHOLECYSTOKININ (secretion); DIABETES MELLITUS (metabolism); GASTROINTESTINAL HORMONES (secretion, physiology); GLUCAGON (secretion); HUMAN; INTESTINAL SECRETIONS (physiology); PANCREATIC HORMONES (secretion); PEPTIDES (secretion); REVIEW; SECRETIN (secretion).

Tubbs PK

THE OCCURRENCE OF INTERMEDIATES IN MITOCHONDRIAL FATTY ACID OXIDATION. Stanley KK, Tubbs PK *FEBS Lett* 39: 325-8, 1 Mar 74 (Eng)

Tucci JR

THE ORAL HYPOLYCEMIC AGENTS IN THE TREATMENT OF DIABETES MELLITUS. Tucci JR *RI Med J* 57: 510-1, 516, Dec 74 (Eng)
ADMINISTRATION, ORAL; ANTIDIABETICS (therapeutic use, administration & dosage); DIABETES MELLITUS (therapy); DIABETIC DIET; HUMAN.

Tulloch BR

LIPID CHANGES IN THYROID DISEASE: THE EFFECT OF THYROXINE AND ANALOGUES. Tulloch BR *Proc R Soc Med* 67: 670-1, Jun 74 (Eng) [24]
REVIEW; RATS; ANIMAL EXPERIMENTS; HUMAN; IN VITRO; LIPIDS (metabolism); THYROID DISEASES (metabolism); THYROXINE (pharmacodynamics, therapeutic use); MYXEDEMA (drug therapy, metabolism); TRIGLYCERIDES (metabolism); CHOLESTEROL (metabolism); HYPERTHYROIDISM (metabolism); MYOCARDIAL INFARCT (drug therapy); HYPERCHOLESTEREMIA (drug therapy); PROPRANOLOL (therapeutic use).

MODE OF INSULIN ACTION. Kissebah AH, Tulloch BR, Hope-Gill H, Clarke PV, Vydellingum N, Fraser TR *Lancet* 1: 144-7, 18 Jan 75 (Eng)

Turner P

PROCEEDINGS: EFFECT OF THE (MINUS)- AND (PLUS)-ISOMERS OF FENFLURAMINE AND NORFENFLURAMINE ON GLUCOSE UPTAKE BY THE ISOLATED RAT HEMIDIAPHRAGM. Kirby MJ, Turner P *Br J Pharmacol* 51: 120p-121p, May 74 (Eng)

Turtle JR

EDITORIAL: NEW CONCEPTS IN ADIPOSE TISSUE METABOLISM AND OBESITY. Turtle JR *Drugs* 7: 321-2, 1974 (Eng)
HUMAN; ADIPOSE TISSUE (metabolism); OBESITY (metabolism, etiology); RECEPTORS, HORMONE; HYPERPLASIA (metabolism).
DIABETES MELLITUS--A MEMBRANE RECEPTOR DEFECT. Connelly PE, Turtle JR *Aust NZ J Med* 4: 228-36, Jun 74 (Eng)

Tyczka S

[VALUES OF MEAN ERYTHEMA-PRODUCING DOSES OF SOLAR RADIATION IN HEALTH-SUBJECTS AND DIABETICS] Ponikowska I, Marusik T, Tyczka S *Pol Tyg Lek* 30: 19-21, 6 Jan 75 (Pol)

Tyson RR

FEMOROPERONEAL BYPASS: EVALUATION OF POTENTIAL FOR REVASCULARIZATION OF THE SEVERELY ISCHEMIC LOWER EXTREMITY. Reichle FA, Tyson RR *Ann Surg* 181: 182-5, Feb 75 (Eng)

Uchimura H

ROLE OF BRAIN NORADRENALINE IN THE REGULATION OF PITUITARY-ADRENOCORTICAL FUNCTIONS. Kumeda H, Uchimura H, Kawabata T, Maeda Y, Okamoto O *J Endocrinol* 62: 161-2, Jul 74 (Eng)

Udeschini G

CENTRAL HYPOTHERMIA BY 2-DEOXY-D-GLUCOSE: ANTAGONISM BY ALPHA-ADRENERGIC ACTIVATION. Muller EE, Cocchi D, Jаланбо H, Udeschini G, Peruzzi G, Mantegazza P *Eur J Pharmacol* 26: 243-55, May 74 (Eng)

Ulmer WT

[DOUBLE BLIND TRIAL OF HEXOPRENALINE AS A BRONCHODILATOR] Ulmer WT *Arzneim Forsch* 24: 840-1, May 74 (Ger)
ENGLISH ABSTRACT; HUMAN; CLINICAL RESEARCH; BRONCHODILATOR AGENTS (therapeutic use, pharmacodynamics, adverse effects); PHENETHYLAMINES (therapeutic use, pharmacodynamics, adverse effects); AIRWAY OBSTRUCTION (drug therapy); ETHANOLAMINES (therapeutic use, pharmacodynamics, adverse effects); BLOOD PRESSURE (drug effects); HEART RATE (drug effects); BLOOD SUGAR; ELECTROCARDIOGRAPHY; PLACEBOS; AIRWAY RESISTANCE (drug effects); TIME FACTORS; DRUG EVALUATION; CATECHOL (therapeutic use, pharmacodynamics, adverse effects).

Underwood PJ

AVERSION TO SUCROSE IN OBESITY. Underwood PJ, Belton E, Hulme P *Proc Nutr Soc* 32: 93a-94a, Dec 73 (Eng)
ADULT; HUMAN; MALE; FEMALE; OBESITY; AFFECT; SUCROSE (administration & dosage); ANOREXIA NERVOSA; GLUCOSE (administration & dosage); APPETITE.

Unger RH

EFFECT OF INTRAVENOUSLY ADMINISTERED GLUCOSE ON GLUCAGON AND INSULIN SECRETION DURING FAT ABSORPTION. Dobbs R, Faloon GR, Unger RH *Metabolism* 24: 69-75, Jan 75 (Eng)

Upton GV

LETTER: MANAGEMENT OF LIPOATROPHIC DIABETES. Upton GV, Corbin A, Mabry CC, Hollingsworth DR *N Engl J Med* 292: 592, 13 Mar 75 (Eng)

ADIPOSE TISSUE (pathology); ATROPHY; CHILD; DIABETES MELLITUS (complications, physiopathology); DIABETES MELLITUS, JUVENILE (complications, drug therapy); DIENCEPHALON (physiopathology); HUMAN; HYPOTHALAMUS (physiopathology); LIPODYSTROPHY (drug therapy, physiopathology); PIMOZIDE (therapeutic use); TIME FACTORS.

Vague P

[LETTER: STEROID-INDUCED DIABETES] Charpin J, Aubert J, Pelleray F, Vague P *Nouv Presse Med* 3: 1960, 21 Sep 74 (Fre)

[TOWARDS A BETTER KNOWLEDGE OF THE ACTION MECHANISM OF THERMAL SODIUM BICARBONATE THERAPY AT VALS-LES-BAINS IN DIABETES] Alland A, Vague P *Sem Hop Ther* 50: 291-5, Apr 74 (Fre)

Vail WJ

MEMBRANE FUSION AND MOLECULAR SEGREGATION IN PHOSPHOLIPID VESICLES. Papahadjopoulos D, Poste G, Schaeffer BE, Vail WJ *Biochim Biophys Acta* 352: 10-28, 30 May 74 (Eng)

Vainer H

[EFFECT OF GLICLAZIDE ON PLATELET BEHAVIOR] Verry M, Dechavanne M, Desnoyers P, Stoltz JF, Vainer H *Nouv Presse Med* 3: 2099-100, 5 Oct 74 (Fre)

Vaisrub S

EDITORIAL: THE NEW ORCHESTRATION. Vaisrub S *JAMA* 229: 1476, 9 Sep 74 (Eng)

ANIMAL EXPERIMENTS; HUMAN; MONKEYS; METABOLISM; ENDOCRINE GLANDS (physiology); HORMONES (physiology); NEUROHUMORS (physiology); MODELS, THEORETICAL; MODELS, BIOLOGICAL.

EDITORIAL: ORTHOSTATIC HYPOTENSION IN DIABETIC PATIENTS. Vaisrub S *JAMA* 231: 847, 24 Feb 75 (Eng)

AUTONOMIC NERVOUS SYSTEM (physiopathology); CAROTID SINUS (innervation); CATECHOLAMINES (secretion); DIABETES MELLITUS (physiopathology); HUMAN; HYPOTENSION, ORTHOSTATIC (physiopathology); KIDNEY (cytology, physiopathology); POSTURE; RENIN (blood).

Valdes F

PROCEEDINGS: GLYCINE RECEPTORS IN THE CEREBRAL CORTEX ARE PROBABLY TRANSPORT RECEPTORS. Orrego F, Valdes F *Acta Physiol Lat Am* 23: 623-5, 1973 (Eng)

Vallat JM

[ULTRASTRUCTURAL STUDY OF PHERIPHERAL NERVE IN 16 DIABETICS WITHOUT NEUROPATHY. COMPARISONS WITH 16 DIABETIC NEUROPATHIES AND 16 NON-DIABETIC NEUROPATHIES (AUTHORS TRANSL)] Vital C, Le Blanc M, Vallat JM, Cocquet M, Vallat M, Roques JC *Acta Neuropathol (Berl)* 30: 63-72, 1974 (Fre)

Vallat M

[ULTRASTRUCTURAL STUDY OF PHERIPHERAL NERVE IN 16 DIABETICS WITHOUT NEUROPATHY. COMPARISONS WITH 16 DIABETIC NEUROPATHIES AND 16 NON-DIABETIC NEUROPATHIES (AUTHORS TRANSL)] Vital C, Le Blanc M, Vallat JM, Cocquet M, Vallat M, Roques JC *Acta Neuropathol (Berl)* 30: 63-72, 1974 (Fre)

Van Harn GL

THE EFFECT OF PENTAERYTHRITOL TETRANITRATE PRETREATMENT ON EXPERIMENTAL CORONARY OCCLUSION. Meester WD, Van Harn GL *Am Heart J* 88: 330-7, Sep 74 (Eng)

Varma SD

THE ABSENCE OF CATARACTS IN MICE WITH CONGENITAL HYPERGLYCEMIA. Varma SD, Kinoshita JH *Exp Eye Res* 19: 577-82, Dec 74 (Eng)

ALCOHOL OXIDOREDUCTASES (isolation & purification); ANIMAL EXPERIMENTS; CATARACT (occurrence, complications); DIABETES MELLITUS (veterinary, congenital); DIET; DULCITOL (analysis); FRUCTOSE (analysis); GALACTOSE (analysis); GLUCOSE (analysis); GLUCOSEPHOSPHATE DEHYDROGENASE (isolation & purification); HEXOKINASE (isolation & purification); HYPERGLYCEMIA (complications, congenital); INOSITOL (analysis); LENS, CRYSTALLINE (enzymology, analysis); MICE, INBRED BALB C; MICE, INBRED C57BL; PHOSPHOGLUCONATE DEHYDROGENASE (isolation & purification).

Vasilenko VV

[SOMATOTROPIC FUNCTION OF THE HYPOPHYSIS. TOLERANCE TESTS AS A METHOD OF EVALUATION OF THE SOMATOTROPIC FUNCTION OF THE HYPOPHYSIS] Sokolov IAA, Vasilenko VV, Fedotov VP *Probl Endokrinol (Mosk)* 20: 16-22, Sep-Oct 74 (Rus)

Veening JG

MODELS OF BEHAVIOR AND THE HYPOTHALAMUS. de Ruiter L, Wiepkema PR, Veening JG *Prog Brain Res* 41: 481-507, 1974 (Eng) [69]

Vejbjerg K

SECRETION OF HYPERGLYCAEMIC HORMONE FROM THE CORPUS CARDIACUM OF FLYING BLOWFLIES, CALLIPHORA ERYTHROCEPHALA. Vejbjerg K, Normann TC *J Insect Physiol* 20: 1189-92, Jul 74 (Eng)

ANIMAL EXPERIMENTS; MALE; DIPTERA (physiology); FLIGHT, ANIMAL; TREHALOSE (metabolism); DISACCHARIDES (metabolism); INVERTEBRATE HORMONES (secretion).

Velasco-Martin A

LIPOLYSIS RELATION OF THE ADIPOSE TISSUE MASS IN OBESE INDIVIDUALS. ITS MODIFICATION BY EPINEPHRINE. Portugal-Alvarez J, Perezagua-Clamagrand C, Velasco-Martin A *Pol J Pharmacol Pharm* 26: 325-8, May-Jun 74 (Eng)

Venter ID

NEONATAL HYPOGLYCAEMIA CAUSED BY ISLET CELL HYPERPLASIA. A CASE REPORT. Haasbroek AC, Venter ID *S Afr J Surg* 12: 251-3, Dec 74 (Eng)

Vergnes H

COMPARATIVE STUDY OF ERYTHROCYTE GLYCOLYTIC ENZYMES IN MAN AND IN TWO SPECIES OF LAGOMORPHAE (OCHOTONA RUFESCENS RUFESCENS AND ORYCTOLAGUS CUNICULUS). Puget A, Vergnes H, Gouarderes C *Can J Comp Med* 38: 314-20, Jul 74 (Eng)

Verry M

[EFFECT OF GLICLAZIDE ON PLATELET BEHAVIOR] Verry M, Dechavanne M, Desnoyers P, Stoltz JF, Vainer H *Nouv Presse Med* 3: 2099-100, 5 Oct 74 (Fre)

ADENYL CYCLASE (metabolism); ANTIADIBETICS (therapeutic use); BLOOD PLATELETS (drug effects, metabolism); BLOOD

SUGAR (metabolism); CARBON RADIOISOTOPES; CYCLOPENTANES (therapeutic use); DIABETES MELLITUS (drug therapy); DIABETIC ANGIOPATHIES (drug therapy); HUMAN; PLATELET ADHESIVENESS (drug effects); PYRROLES (therapeutic use); SULFONYLUREA COMPOUNDS (therapeutic use); TRITIUM; ULTRACENTRIFUGATION.

Viala JJ

[A CASE OF MULTIPLE RENAL PAPILLARY NECROSIS IN A DIABETIC] Viala JJ, Beaulieux J, Berard E *J Radiol Electrol Med Nucl* 55: 599-601, Aug-Sep 74 (Fre)

DIABETES MELLITUS (complications); DIABETIC NEPHROPATHIES (radiography); ENGLISH ABSTRACT; HEMATURIA (etiology); HUMAN; KIDNEY PAPILLARY NECROSIS (radiography, etiology); MALE; MIDDLE AGE; TOMOGRAPHY, RADIOGRAPHIC; UREA (blood); URINARY TRACT INFECTIONS (complications); UROGRAPHY.

Vigas M

METABOLIC, HORMONAL AND ENZYMATIC FUNCTIONS OF RATS DURING RECOVERY FROM INJURY. Nemeth S, Vigas M, Strakova A *Adv Exp Med Biol* 33: 423-7, 1972 (Eng)

POSTTRAUMATIC REGULATION OF INSULIN SECRETION IN ADAPTED RATS. Vigas M, Nemeth S, Jurcovicova J *Physiol Bohemoslov* 23: 245-9, 1974 (Eng)

ADAPTATION, PHYSIOLOGICAL; ANTIGENS; BLOOD SUGAR; EPINEPHRINE (pharmacodynamics); INSULIN (secretion); SHOCK, TRAUMATIC (physiopathology, blood).

Vignais PV

AN APPRAISAL OF THE FUNCTIONAL SIGNIFICANCE OF THE INHIBITORY EFFECT OF LONG CHAIN ACYL-COAS ON MITOCHONDRIAL TRANSPORTS. Morel F, Lauquin G, Lunardi J, Duszynski J, Vignais PV *FEBS Lett* 39: 133-8, 15 Feb 74 (Eng)

Vignon F

[REGULATION OF ESTROGEN RECEPTORS IN MAMMARY TUMORS: ACTION OF PROLACTIN IN VIVO] Vignon F, Crehforth H *C R Acad Sci [D] (Paris)* 278: 103-6, Jan 74 (Fre)

RATS; ANIMAL EXPERIMENTS; FEMALE; MAMMARY NEOPLASMS, EXPERIMENTAL (physiopathology); CASTRATION; BINDING SITES (drug effects); ESTROGENS (metabolism); PROLACTIN (pharmacodynamics); CYTOSOL; RECEPTORS, HORMONE (drug effects).

Viljanen MK

SERUM GROWTH HORMONE (GH) AND INSULIN (IRI) AFTER ORAL GLUCOSE IN SUBJECTS WITH RENAL FAILURE. Viljanen MK, Nousiainen R, Kasanen A, Frossman J *Ann Clin Res* 6: 266-71, Oct 74 (Eng)

ADMINISTRATION, ORAL; ANTIGENS; CREATININE (blood); FEMALE; GLUCOSE TOLERANCE TEST; GLUCOSE (pharmacodynamics, administration & dosage); HUMAN; INSULIN (blood); KIDNEY FAILURE, ACUTE (blood); MALE; RADIOIMMUNOASSAY; SOMATOTROPIN (blood); TIME FACTORS; UREMIA (blood).

Vinichenko NS

[MECHANISM OF THE DISORDER IN ERYTHROCYTE REGENERATION IN DEFICIENT INSULIN FORMATION] Vinichenko NS *Fiziol Zh* 20: 550-3, Jul-Aug 74 (Ukr)

ALLOXAN DIABETES (physiopathology); ANIMAL EXPERIMENTS; ERYTHROPOIESIS; HEMORRHAGE (physiopathology); INSULIN (biosynthesis, physiology); RABBITS.

Vinichenko NS

Vinogradova IV

[CAUSES AND EFFECTS OF HYPERACTIVITY OF THE SYMPATHICO-ADRENAL SYSTEM IN ACUTE MYOCARDIAL INFARCT] Oganov RG, Vinogradova IV, Aleksandrov AA *Kardiológia* 14: 140-50, Oct 74 (Rus) [146]

Vital C

[ULTRASTRUCTURAL STUDY OF PHERIPHERAL NERVE IN 16 DIABETICS WITHOUT NEUROPATHY. COMPARISONS WITH 16 DIABETIC NEUROPATHIES AND 16 NON-DIABETIC NEUROPATHIES (AUTHORS TRANSL.)] Vital C, Le Blanc M, Vallat JM, Cocquet M, Vallat M, Roques JC *Acta Neuropathol (Berl)* 30: 63-72, 1974 (Fre)

AGED; AXONS; BASEMENT MEMBRANE; BIOPSY; CAPILLARIES (pathology); DIABETES MELLITUS (pathology); DIABETIC NEUROPATHIES (pathology); ENGLISH ABSTRACT; GLUCOSE TOLERANCE TEST; HUMAN; MICROSCOPY, ELECTRON; MIDDLE AGE; PERIPHERAL NERVES (pathology, blood supply); POLYNEURITIS (pathology); SCHWANN CELLS.

Volz PA

THE ANTIFUNGAL ACTIVITY OF NORMAL AND HOST-COMPROMISED SALIVA ON SPACEFLIGHT FUNGAL PHENOTYPES. Dublin M, Volz PA, Bulmer GS *Mycopathol Mycol Appl* 54: 499-516, 18 Dec 74 (Eng)

von Ardenne M

[TUMOUR CELL BALANCE AND SUPPLY OF SUBSTRATES (AUTHORS TRANSL.)] von Ardenne M, Rieger F *Arch Geschwulstforsch* 44: 25-46, 1974 (Ger)

CELL COUNT; CELL DIVISION; ENGLISH ABSTRACT; GLUCOSE (metabolism); HUMAN; HYPERGLYCEMIA; LYSOSOMES; MATHEMATICS; NECROSIS; NEOPLASMS (therapy, metabolism); OXYGEN CONSUMPTION; OXYGEN (metabolism); TIME FACTORS.

von Torklus D

[MULTIPLE OSTEONECROSIS WITH TYPE IV HYPERLIPOPROTEINEMIA (AUTHORS TRANSL.)] Zsarnaviczky J, von Torklus D, Wilke H, Frahm H *Z Orthop* 112: 1112-8, Oct 74 (Ger)

Voss WR

INFANTILE OBESITY AND LATER WEIGHT CONTROL IN THE BABOON. Bruch H, Voss WR *Nature* 250: 268-9, 19 Jul 74 (Eng)

Vracko R

BASAL LAMINA SCAFFOLD-ANATOMY AND SIGNIFICANCE FOR MAINTENANCE OF ORDERLY TISSUE STRUCTURE. Vracko R *Am J Pathol* 77: 314-46, Nov 74 (Eng) [66]

ANIMAL EXPERIMENTS; BASEMENT MEMBRANE (ultrastructure); CICATRIX (pathology); ENDOTHELIUM (ultrastructure); EPITHELIAL CELLS (ultrastructure); HUMAN; ISLANDS OF LANGERHANS (ultrastructure); KIDNEY DISEASES (pathology); KIDNEY (ultrastructure); LIVER DISEASES (pathology); LIVER (ultrastructure); LUNG DISEASES (pathology); LUNG (ultrastructure); MUSCLES (ultrastructure); MUSCULAR DISEASES (pathology); NERVE TISSUE (ultrastructure); NERVOUS SYSTEM DISEASES (pathology); NERVOUS SYSTEM (cytology); PANCREAS (ultrastructure); PANCREATIC DISEASES (pathology); REVIEW; SKIN DISEASES (pathology); SKIN (ultrastructure); WOUND HEALING; WOUNDS AND INJURIES (pathology).

Vtorova VG

[COURSE OF PREGNANCY AND LABOR IN DIABETES MELLITUS] Griaznova IM, Vtorova VG *Akush Ginekol (Mosk)* 58-62, May 74 (Rus)

Diabetes Literature—Author Index

Vydellingum N

MODE OF INSULIN ACTION. Kissebah AH, Tulloch BR, Hope-Gill H, Clarke PV, Vydellingum N, Fraser TR *Lancet* 1: 144-7, 18 Jan 75 (Eng)

Wagner H

STUDIES ON THE LIPID METABOLISM USING 14C-1-PALMITATE IN FETAL RATS. Hummel L, Schirrmeyer W, Zimmermann T, Wagner H *Biol Neonate* 24: 289-305, 1974 (Eng)

Walczak M

[EFFECT OF LOW-CALORIE DIET ON LIPOLYTIC ENZYMES AND OTHER INDEXES AND PSYCHOLOGICAL BEHAVIOR OF CHILDREN WITH ORDINARY OBESITY] Szczepski O, Walczak M, Korman E, Socha J, Waligora A, Waligora Z *Endokrynol Pol* 25: 31-42, Jan-Feb 74 (Pol)

Walfish PG

SULFONYLUREA-INDUCED FACTITIOUS HYPOGLYCEMIA IN A NONDIABETIC NURSE. Walfish PG, Kashyap RP, Greenstein S *Can Med Assoc J* 112: 71-2, 11 Jan 75 (Eng)

ADULT; BLOOD SUGAR (analysis); CASE REPORT; FEMALE; GLIBENCLAMIDE (adverse effects); GLUCOSE TOLERANCE TEST; HUMAN; HYPOGLYCEMIA (chemically induced); INSULIN (blood); MUNCHHAUSEN SYNDROME; SULFONYLUREA COMPOUNDS (adverse effects); TOLBUTAMIDE (diagnostic use).

Waligora A

[EFFECT OF LOW-CALORIE DIET ON LIPOLYTIC ENZYMES AND OTHER INDEXES AND PSYCHOLOGICAL BEHAVIOR OF CHILDREN WITH ORDINARY OBESITY] Szczepski O, Walczak M, Korman E, Socha J, Waligora A, Waligora Z *Endokrynol Pol* 25: 31-42, Jan-Feb 74 (Pol)

Waligora Z

[EFFECT OF LOW-CALORIE DIET ON LIPOLYTIC ENZYMES AND OTHER INDEXES AND PSYCHOLOGICAL BEHAVIOR OF CHILDREN WITH ORDINARY OBESITY] Szczepski O, Walczak M, Korman E, Socha J, Waligora A, Waligora Z *Endokrynol Pol* 25: 31-42, Jan-Feb 74 (Pol)

Wallas CH

METABOLIC STUDIES ON RED CELLS FROM PATIENTS WITH CHRONIC RENAL DISEASE ON HAEMODIALYSIS. Wallas CH *Br J Haematol* 26: 71-8, Jan 74 (Eng)

HUMAN; IN VITRO; ERYTHROCYTES (metabolism, enzymology); KIDNEY FAILURE, CHRONIC (blood, therapy); HEMODIALYSIS; METABOLIC CLEARANCE RATE; UREMIA (blood); PHOSPHOGLYCERATE KINASE (blood); HEXOKINASE (blood); GLUCOSEPHOSPHATE DEHYDROGENASE (blood); PYRUVATE KINASE (blood); ASPARTATE AMINOTRANSFERASE (blood); HEMATOCRIT; LACTATES (blood); PHOSPHATES (blood); HEMOLYSIS.

METABOLIC STUDIES ON THE ERYTHROCYTE FROM PATIENTS WITH CHRONIC RENAL DISEASE ON HAEMODIALYSIS. II. ATP METABOLISM. Wallas CH *Br J Haematol* 27: 145-52, May 74 (Eng)

HUMAN; ERYTHROCYTES (metabolism); KIDNEY FAILURE, CHRONIC (metabolism, therapy); HEMODIALYSIS; ADENOSINE TRIPHOSPHATE (metabolism); UREMIA (metabolism); PHOSPHATES (metabolism); PYRUVATE KINASE (metabolism); HEMATOCRIT; CREATININE (blood).

Walsh CH

STUDIES ON WHOLE-BODY POTASSIUM IN NON-KETOACIDOTIC DIABETICS BEFORE AND AFTER TREATMENT. Walsh CH, Soler

NG, James H, Fitzgerald MG, Malins JM *Br Med J* 4: 738-40, 28 Dec 74 (Eng)

ADOLESCENCE; ADULT; AGED; BIGUANIDES (therapeutic use); BODY COMPOSITION; BODY WEIGHT; DIABETES MELLITUS (metabolism, drug therapy); FEMALE; HUMAN; INSULIN (therapeutic use); MALE; MIDDLE AGE; POTASSIUM ISOTOPES; POTASSIUM (analysis); RADIOISOTOPES; SULFONYLUREA COMPOUNDS (therapeutic use); WHOLE BODY COUNTERS.

STUDIES OF GLUCOSE TOLERANCE, INSULIN AND GROWTH HORMONE SECRETION DURING THE MENSTRUAL CYCLE IN HEALTHY WOMEN. Walsh CH, OSullivan DJ *Ir J Med Sci* 144: 18-24, Jan 75 (Eng)

ADULT; BLOOD SUGAR (analysis); FEMALE; GLUCOSE TOLERANCE TEST; HUMAN; INSULIN (blood); MENSTRUATION; SOMATOTROPIN (secretion); TIME FACTORS.

Walsh CT

MEMBRANE TRANSPORT AS A POTENTIAL TARGET FOR ANTIBIOTIC ACTION. Walsh CT, Kaback HR *Ann NY Acad Sci* 235: 519-41, 10 May 74 (Eng) [55]

REVIEW; CELL MEMBRANE (metabolism, drug effects, enzymology); BIOLOGICAL TRANSPORT, ACTIVE (drug effects); ANTIBIOTICS (pharmacodynamics); PHOSPHOENOLPYRUVATE; PHOSPHOTRANSFERASES (antagonists & inhibitors, metabolism); CARBOHYDRATES (metabolism); LACTATE DEHYDROGENASE (metabolism); VINYL COMPOUNDS (pharmacodynamics); GLYCOLATES (pharmacodynamics); ESCHERICHIA COLI (cytology); PROLINE (metabolism); KINETICS; SUCCINATES (metabolism); CARBON RADIOISOTOPES; LACTOSE (metabolism); LACTATES (metabolism); GLUCOSE (metabolism); TIME FACTORS; PROTEIN BINDING; OXIDATION-REDUCTION; BACTERIAL PROTEINS (metabolism); GLYCOSIDES (metabolism).

Walter S

GROWTH CONTROL IN PRIMARY FETAL RAT LIVER CELLS IN CULTURE. Paul D, Walter S *J Cell Physiol* 85: 113-23, Feb 75 (Eng)

Warembourg H

[METABOLISM OF THE MYOCARDIUM IN MAN] Bertrand ME, Carre A, Ginestet A, Warembourg H *Arch Mal Coeur* 67: 409-11, Apr 74 (Fre)

Warne GL

FACTORS INFLUENCING THE PROGNOSIS OF VASCULAR DISEASE IN INSULIN-DEFICIENT DIABETES OF LONG DURATION: A SEVEN-YEAR FOLLOW-UP. Martin FI, Warne GL *Metabolism* 24: 1-9, Jan 75 (Eng)

Warren GB

COMPLETE CONTROL OF THE LIPID ENVIRONMENT OF MEMBRANE-BOUND PROTEINS: APPLICATION TO A CALCIUM TRANSPORT SYSTEM. Warren GB, Toon PA, Birdsall NJ, Lee AG, Metcalfe JC *FEBS Lett* 41: 122-4, 15 Apr 74 (Eng)

ANIMAL EXPERIMENTS; COMPARATIVE STUDY; LECITHINS (metabolism); CALCIUM (metabolism); PROTEINS (metabolism); MEMBRANES (metabolism); ADENOSINE TRIPHOSPHATE (metabolism); SARCOPLASMIC RETICULUM (metabolism); PROTEIN BINDING; BINDING SITES; BIOLOGICAL TRANSPORT; CHOLIC ACID (metabolism); CARBON RADIOISOTOPES; ULTRACENTRIFUGATION; CENTRIFUGATION, DENSITY GRADIENT; DIALYSIS; CHROMATOGRAPHY, GAS; MODELS, BIOLOGICAL; OLEIC ACID; STRUCTURE-ACTIVITY RELATIONSHIP; PALMITIC ACID; TIME FACTORS.

Diabetes Literature—Author Index

Whitfield CF

Waterworth MW

CURRENT CONCEPTS RELATING TO METABOLIC CHANGES AFTER PORTACAVAL SHUNTS, AND ALCOHOL AND THE PANCREAS. (2). ALCOHOL AND THE PANCREAS. Wheatley IC, Waterworth MW, Barbezat GO, Bank S, Marks S, Hickman R, Terblanche J *S Afr J Surg* 12: 202-4, Dec 74 (Eng)

Watson WJ

METHIONINE TRANSPORT IN ESCHERICHIA COLI: PHYSIOLOGICAL AND GENETIC EVIDENCE FOR TWO UPTAKE SYSTEMS. Kadner RJ, Watson WJ *J Bacteriol* 119: 401-9, Aug 74 (Eng)

Way JL

ALTERATION OF IN VIVO GLUCOSE METABOLISM BY COBALTOUS CHLORIDE. Isom GE, Way JL *Toxicol Appl Pharmacol* 27: 131-9, Jan 74 (Eng)

Weaver PK

THE DEVELOPMENT OF PHOSPHOPYRUVATE CARBOXYLASE AND GLUCONEOGENESIS IN NEONATAL RATS. Pearce PH, Buirchell BJ, Weaver PK, Oliver IT *Biol Neonate* 24: 320-9, 1974 (Eng)

Webb JP

FUNCTIONAL DIFFERENTIATION OF HUMAN JEJUNUM AND ILEUM: A COMPARISON OF THE HANDLING OF GLUCOSE, PEPTIDES, AND AMINO ACIDS. Silk DB, Webb JP, Lane AE, Clark ML, Dawson AM *Gut* 15: 444-9, Jun 74 (Eng)

Weber AB

LETTER: TREATMENT OF D.I.C. COMPLICATING DIABETIC COMA. Weber AB *Br Med J* 1: 96, 11 Jan 75 (Eng)
ADULT; DIABETIC COMA (complications); DISSEMINATED INTRAVASCULAR COAGULATION (complications, drug therapy); HEPARIN (administration & dosage); HUMAN; MALE; PURPURA, THROMBOTIC THROMBOPEMIC (complications).

Weeks J

THE INHIBITION BY SOMATOSTATIN OF THE THYROTROPIN RESPONSE TO THYROTROPIN-RELEASING HORMONE IN NORMAL SUBJECTS. Weeks J, Hansen AP, Lundback K *Scand J Clin Lab Invest* 33: 101-3, Apr 74 (Eng)
ADULT; HUMAN; MALE; FEMALE; PEPTIDES (pharmacodynamics, administration & dosage); THYROTROPIN (blood); THYROTROPIN-RELEASING HORMONE (pharmacodynamics, antagonists & inhibitors, administration & dosage); RADIOIMMUNOASSAY; CHROMATOGRAPHY; STIMULATION, CHEMICAL; DEPRESSION, CHEMICAL; INJECTIONS, INTRAVENOUS; INFUSIONS, PARENTERAL; SOMATOTROPIN-RELEASING HORMONE (antagonists & inhibitors); TIME FACTORS.

Wehner H

THE STRUCTURE OF THE GLOMERULAR CAPILLARY BASEMENT MEMBRANE IN DIABETES MELLITUS WITH AND WITHOUT NEPHROTIC SYNDROME. Wehner H, Bohle A *Virchows Arch [Pathol Anat]* 364: 303-9, 1974 (Eng)
ADOLESCENCE; ADULT; AGED; BASEMENT MEMBRANE (ultrastructure); BIOPSY; CAPILLARIES (pathology); CHILD; DIABETES MELLITUS (pathology, complications); DIABETES MELLITUS, JUVENILE (pathology, complications); DIABETIC NEPHROPATHIES (pathology); FEMALE; GLOMERULONEPHRITIS (complications, pathology); HUMAN; KIDNEY GLOMERULUS (pathology); MALE; MIDDLE AGE;

NEPHROTIC SYNDROME (pathology, complications); TIME FACTORS.

[QUANTITATIVE PATHOMORPHOLOGY OF THE GLOMERULI IN THE HUMAN KIDNEY]

Wehner H *Verueff Morphol Pathol* 1-67, 1974 (Ger)
ADULT; AGED; AMYLOIDOSIS (pathology); BIOPSY; CHILD; CHILD, PRESCHOOL; DIABETIC NEPHROPATHIES (pathology); ENGLISH ABSTRACT; FEMALE; GLOMERULONEPHRITIS (pathology); HEMATURIA (pathology); HUMAN; KIDNEY GLOMERULUS (pathology, anatomy & histology); KIDNEY NEOPLASMS (pathology); LIVER CIRRHOSIS (pathology); MALE; MIDDLE AGE; MULTIPLE MYELOMA (pathology); NEPHRITIS (pathology); NEPHROSCLEROSIS (pathology); NEPHROTIC SYNDROME (pathology); PLASMACYTOMA (pathology).

Wehrli E

RECOMBINATION OF HUMAN ERYTHROCYTE APOPROTEIN AND LIPID. II. VISUALIZATION OF APOPROTEIN-LIPID BILAYER COMPLEX BY FREEZE-ETCHING. Wehrli E, Morse PD *J Supramol Struct* 2: 71-8, 1974 (Eng)
HUMAN; COMPARATIVE STUDY; ERYTHROCYTES (metabolism, cytology); APOPROTEINS (blood); LIPIDS (blood); LIPOPROTEINS (blood); PROTEIN BINDING; BINDING SITES; FREEZE ETCHING; AIR; STEARIC ACID; CELL MEMBRANE (metabolism); SURFACE PROPERTIES; PRESSURE; MODELS, BIOLOGICAL; WATER.

Weinhouse S

COMPETITION FOR ADP BETWEEN PYRUVATE KINASE AND MITOCHONDRIAL OXIDATIVE PHOSPHORYLATION AS A CONTROL MECHANISM IN GLYCOLYSIS. Gosalvez M, Perez-Garcia J, Weinhouse S *Eur J Biochem* 46: 133-40, 1 Jul 74 (Eng)

Weinstein G

EVALUATION OF PERIPHERAL VASCULAR DISEASE USING RADIOACTIVE XENON. Denaro JA, Weinstein G, Imperato AM, Braustein P *Rev Surg* 32: 65-7, Jan-Feb 75 (Eng)

Weinstein M

[RED BLOOD CELLS AS EFFECTORS OF THYROID HORMONES] Weinstein M, Iparraguirre de Weinstein B *Medicina (B Aires)* 34: 146-56, Mar 74 (Spa) [106]
REVIEW; HUMAN; THYROID GLAND (physiology, secretion); HEMATOPOIESIS; ERYTHROCYTES (physiology, enzymology, metabolism); THYROID HORMONES (secretion); ENZYMES (biosynthesis); HEMOGLOBIN (biosynthesis); FETAL HEMOGLOBIN (biosynthesis); GLUCOSE (metabolism); CARBONIC ANHYDRASE (metabolism); ZINC (metabolism); HYPOTHYROIDISM (enzymology, blood).

Weir GC

THE EFFECT OF GLUCOSE ANOMERS UPON INSULIN AND GLUCAGON SECRETION. Rossini AA, Soeldner JS, Hiebert JM, Weir GC, Gleason RE *Diabetologia* 10: 795-9, Dec 74 (Eng)

Weitzman ED

PATTERNS OF SPONTANEOUS CORTISOL AND GROWTH HORMONE SECRETION IN RHESUS MONKEYS DURING THE SLEEP-WAKING CYCLE. Jacoby JH, Sassini JF, Greenstein M, Weitzman ED *Neuroendocrinology* 14: 165-73, 74 (Eng)

Weldon VV

SHORT STATURE AS THE ONLY CLINICAL SIGN OF CUSHINGS SYNDROME. Lee PA,

Weldon VV, Migeon CJ *J Pediatr* 86: 89-91, Jan 75 (Eng)

Wellers G

[SPEED OF IRREVERSIBLE IN VIVO DEGRADATION OF FREE L-ISOLEUCINE. EFFECT OF GROWTH HORMONE] Wellers G, Chevan J *C R Acad Sci [D] (Paris)* 277: 2735-8, 17 Dec 74 (Fre)
RATS; ANIMAL EXPERIMENTS; ISOLEUCINE (metabolism, administration & dosage); BIOTRANSFORMATION (drug effects); SOMATOTROPIN (pharmacodynamics, administration & dosage); DIET; GLUTAMATES (administration & dosage); NITROGEN (analysis, urine); INJECTIONS, INTRAPERITONEAL; DRUG COMBINATIONS; GLYCINE (administration & dosage).

Weng JT

MYOCARDIAL METABOLISM DURING ACUTE HEMORRHAGIC OR ENDOTOXIC SHOCK. Spitzer JJ, Spitzer JA, Weng JT, Scott JC *Adv Exp Med Biol* 23: 267-73, Oct 71 (Eng)
MYOCARDIAL METABOLISM DURING ENDOTOXIC SHOCK. Scott JC, Weng JT, Spitzer JJ *Adv Exp Med Biol* 33: 375-86, 1972 (Eng)

Wessely P

[FAMILIAL OCCURRENCE OF FAHR'S SYNDROME] Pernhaupt G, Tschabitscher H, Wessely P *Nervenarzt* 45: 647-53, Dec 74 (Ger)

West R

OCULAR AND FINGERTIP ABNORMALITIES IN ISOLATED GLUCOCORTICOID DEFICIENCY. Counahan R, West R *J Pediatr* 85: 580-1, Oct 74 (Eng)

Westman J

EFFECTS OF GLUCOSE ON THE ULTRASTRUCTURE AND INSULIN BIOSYNTHESIS OF ISOLATED MOUSE PANCREATIC ISLETS MAINTAINED IN TISSUE CULTURE. Andersson A, Westman J, Hellerstrom C *Diabetologia* 10: 743-53, Dec 74 (Eng)

Wheatley IC

CURRENT CONCEPTS RELATING TO METABOLIC CHANGES AFTER PORTACAVAL SHUNTS, AND ALCOHOL AND THE PANCREAS. (2). ALCOHOL AND THE PANCREAS. Wheatley IC, Waterworth MW, Barbezat GO, Bank S, Marks S, Hickman R, Terblanche J *S Afr J Surg* 12: 202-4, Dec 74 (Eng)
ALCOHOL, ETHYL (pharmacodynamics); ANIMAL EXPERIMENTS; GLUCAGON (pharmacodynamics); MANNITOL (pharmacodynamics); PANCREATIC JUICE (secretion); SECRETORY RATE (drug effects); STIMULATION, CHEMICAL; SWINE.

Whitaker JR

THE IDENTIFICATION OF INTERMEDIATES IN THE REACTION OF PIG HEART LACTATE DEHYDROGENASE WITH ITS SUBSTRATES. Whitaker JR, Yates DW, Bennett NG, Holbrook JJ, Gutfreund H *Biochem J* 139: 677-97, Jun 74 (Eng)
ANIMAL EXPERIMENTS; LACTATE DEHYDROGENASE (metabolism); MYOCARDIUM (enzymology); SWINE; PYRUVATES (biosynthesis); NAD (biosynthesis); HYDROGEN-ION CONCENTRATION; PROTEIN BINDING; KINETICS; SPECTROMETRY, FLUORESCENCE; CENTRIFUGATION; GEL FILTRATION; LACTATES; ACID-BASE EQUILIBRIUM; GLYOXYLATES; AMINO ACIDS; ALLOSTERIC REGULATION.

Whitfield CF

ACCELERATION OF SUGAR TRANSPORT IN AVIAN ERYTHROCYTES BY CATECHOLAMINES. Whitfield CF, Rannels

Diabetes Literature—Author Index

Whitlock RH

- SR, Morgan HE *J Biol Chem* 249: 4181-8, 10 Jul 74 (Eng)
ANIMAL EXPERIMENTS; NOREPINEPHRINE (pharmacodynamics); GEESE (metabolism); DOPAMINE (pharmacodynamics); ERYTHROCYTES (metabolism); ISOPROTERENOL (pharmacodynamics); ADENOSINE TRIPHOSPHATE (metabolism); CELL MEMBRANE (metabolism); CAFFEINE (pharmacodynamics); CARBON RADIOISOTOPES; METHYLGLYCOSIDES (blood); EPINEPHRINE (pharmacodynamics); GALACTOSE (blood); EPHEDRINE (pharmacodynamics); GLUCOSE (metabolism); SORBITOL (blood); PHLORETIN (pharmacodynamics); CATECHOL (pharmacodynamics); STEREOISOMERS; DESIPRAMINE (pharmacodynamics); POTASSIUM (pharmacodynamics); IPRONIAZID (pharmacodynamics); PROPRANOLOL (pharmacodynamics); PHENTOLAMINE (pharmacodynamics); ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics).

Whitlock RH

- A COMPARISON OF ANTICOAGULANTS FOR THE ANALYSIS OF GLUCOSE CONCENTRATION AND FOR HAEMATOLOGICAL MEASUREMENTS IN BOVINE BLOOD. Manston R, Whitlock RH, Young ER *J Comp Pathol* 84: 59-65, Jan 74 (Eng)

Wiedemann E

- LETTER: GROWTH WITH ABSENT GROWTH HORMONE BY RADIOIMMUNOASSAY. Saenger P, Levine LS, Wiedemann E, Schwartz E, New MI *J Pediatr* 85: 137-8, Jul 74 (Eng)

Wieland OH

- REGULATION OF PYRUVATE-DEHYDROGENASE INTERCONVERSION IN RAT-LIVER MITOCHONDRIA AS RELATED TO THE PHOSPHORYLATION STATE OF INTRAMITOCHONDRIAL ADENINE NUCLEOTIDES. Wieland OH, Portenhauser R *Eur J Biochem* 45: 577-88, 15 Jun 74 (Eng)
RATS; ANIMAL EXPERIMENTS; MALE; IN VITRO; MITOCHONDRIA, LIVER (metabolism, enzymology); PYRUVATE DEHYDROGENASE COMPLEX (metabolism, antagonists & inhibitors); ADENINE NUCLEOTIDES (metabolism); PYRUVATES (metabolism); KETOGLUTARIC ACID (metabolism, pharmacodynamics); OXIDATIVE PHOSPHORYLATION; ADENOSINE DIPHOSPHATE (metabolism); ADENOSINE MONOPHOSPHATE (metabolism); ADENOSINE TRIPHOSPHATE (metabolism); HYDRAZONES (pharmacodynamics); CALCIUM (pharmacodynamics); CHLOROGENZONES (pharmacodynamics); ROTENONE (pharmacodynamics); HEXOKINASE (pharmacodynamics); GLUCOSE (pharmacodynamics); ENERGY METABOLISM; ENZYME ACTIVATION (drug effects); KINETICS; UNCOUPLING AGENTS (pharmacodynamics); MODELS, CHEMICAL.

Wiener L

- RATIONAL THERAPEUTIC APPROACH TO CARDIOGENIC SHOCK. Wiener L *Cardiovasc Clin* 6: 223-37, 1974 (Eng) [79]
ANTICOAGULANTS (therapeutic use); BLOOD GAS ANALYSIS; BLOOD VOLUME; DOPAMINE (therapeutic use); ELECTROCARDIOGRAPHY; GLUCAGON (therapeutic use); HEART CATHETERIZATION; HEART (physiopathology); HUMAN; HYDROGEN-ION CONCENTRATION; ISOPROTERENOL (therapeutic use); MYOCARDIAL INFARCT (occurrence, complications, physiopathology); OXYGEN (therapeutic use); PAIN (drug therapy); REGIONAL BLOOD FLOW; REVIEW; SHOCK, CARDIOGENIC (drug therapy, occurrence,

etiology, physiopathology); UNITED STATES; VASOCONSTRICTOR AGENTS (therapeutic use).

Wiener R

- NON-ESTERIFIED FATTY ACID (FFA) METABOLISM FOLLOWING SEVERE HEMORRHAGE IN THE CONSCIOUS DOG. Spitzer JJ, Wiener R, Wolf EH *Adv Exp Med Biol* 33: 221-30, 1972 (Eng)

Wiens T

- TURNOVER NUMBERS FOR IONOPHORE-CATALYZED CATION TRANSPORT ACROSS THE MITOCHONDRIAL MEMBRANE. Haynes DH, Wiens T, Pressman BC *J Membr Biol* 18: 23-38, 1974 (Eng)

Wiekema PR

- MODELS OF BEHAVIOR AND THE HYPOTHALAMUS. de Ruiter L, Wiekema PR, Veening JG *Prog Brain Res* 41: 481-507, 1974 (Eng) [69]

Wilander E

- STREPTOZOTOCIN-DIABETES IN THE CHINESE HAMSTER. LONG-TERM EFFECTS ON THE LIGHT MICROSCOPIC STRUCTURE OF THE PANCREATIC ISLET TISSUE, LIVER AND KIDNEY. Wilander E *Acta Pathol Microbiol Scand [A]* 82: 767-76, Nov 74 (Eng)
ANIMAL EXPERIMENTS; BLOOD SUGAR (metabolism); CELL DIVISION (drug effects); DIABETES MELLITUS (pathology, chemically induced, blood); FEMALE; HAMSTERS; ISLANDS OF LANGERHANS (drug effects, pathology, metabolism, ultrastructure); KIDNEY (drug effects, pathology); LIVER (drug effects, pathology); MALE; PANCREAS (drug effects, pathology); STREPTOZOTOCIN (pharmacodynamics); THYMIDINE (metabolism); TIME FACTORS; TRITIUM.

Wilbur DL

- ULTRASTRUCTURAL OBSERVATIONS OF ANTERIOR PITUITARY SOMATOTROPHS FOLLOWING PITUITARY PORTAL VESSEL INFUSION OF DIBUTYRYL CAMP. Wilbur DL, Worthington WC Jr, Markwald RR *Am J Anat* 141: 139-45, Sep 74 (Eng)
RATS; ANIMAL EXPERIMENTS; MALE; DIBUTYRYL CYCLIC AMP (pharmacodynamics); PITUITARY GLAND (drug effects, metabolism, cytology); MICROSCOPY, ELECTRON; TIME FACTORS; NERVE TISSUE PROTEINS (biosynthesis); ENDOPLASMIC RETICULUM; GOLGI APPARATUS.

Wiley MK

- ANTERIOR HYPOPHYSIAL FUNCTION IN THE POSTERIOR-HYPOPHYSIOTOMIZED RAT: NORMAL REGULATION OF THE ADRENAL SYSTEM. Miller RE, Yuch-Chien H, Wiley MK, Hewitt R *Neuroendocrinology* 14: 233-50, 74 (Eng)

Wilke H

- [MULTIPLE OSTEONECROSIS WITH TYPE IV HYPERLIPIDOPROTEINEMIA (AUTHORS TRANS)] Zsarnavicz J, von Torklus D, Wilke H, Frahm H *Z Orthop* 112: 1112-8, Oct 74 (Ger)

Williams BT

- PREDICTION OF SERUM CHOLESTEROL. Milesis CA, Williams BT *Nebr Med J* 59: 245-51, Jul 74 (Eng)

Williams ER

- EFFECTS OF FRUCTOSE, SUCROSE AND GLUCOSE FEEDING ON PLASMA INSULIN CONCENTRATIONS AND ON ADIPOSE-TISSUE CLEARING-FACTOR LIPIASE ACTIVITY IN THE RAT. Cryer A, Riley SE, Williams ER, Robinson DS *Biochem J* 140: 561-63, Jun 74 (Eng)

Williams JN Jr

- EFFECTS OF GLUCAGON UPON RAT LIVER MITOCHONDRIA IN VIVO. Williams JN Jr, Thorp SL *Proc Soc Exp Biol Med* 147: 803-6, Dec 74 (Eng)
ANIMAL EXPERIMENTS; CYTOCHROME C (metabolism); CYTOCHROME C-1 (metabolism); CYTOCHROME OXIDASE (metabolism); CYTOCHROMES (metabolism); DEPRESSION, CHEMICAL; GLUCAGON (pharmacodynamics); IN VITRO; MALE; MITOCHONDRIA, LIVER (metabolism); PROTEINS (metabolism); RATS.

Williams RH

- SOMATOSTATIN INHIBITS INSULIN AND GLUCAGON RELEASE BY MONOLAYER CELL CULTURES OF RAT ENDOCRINE PANCREAS. Fujimoto WY, Ensink JW, Williams RH *Life Sci* 15: 1999-2004, 1 Dec 74 (Eng)

Williams RL

- THE EFFECT OF ACUTE FASTING ON SLEEP AND THE SLEEP-GROWTH HORMONE RESPONSE. Karacan I, Rosenbloom AL, Londono JH, Salis PJ, Thornby JI, Williams RL *Psychosomatics* 14: 33-7, Jan-Feb 73 (Eng)

Wilmshurst EG

- ENDOGENOUS AND EXOGENOUS INSULIN RESPONSES IN PATIENTS WITH CYSTIC FIBROSIS. Wilmshurst EG, Soeldner JS, Holsclaw DS, Kaufmann RL, Shwachman H, Aoki TT, Gleason RE *Pediatrics* 55: 75-82, Jan 75 (Eng)
ADMINISTRATION, ORAL; ADOLESCENCE; ADULT; BLOOD SUGAR (analysis); CARBOHYDRATES (metabolism); CYSTIC FIBROSIS (physiopathology); FATTY ACIDS, NONESTERIFIED (blood); GLUCOSE TOLERANCE TEST; GLUCOSE (administration & dosage); HUMAN; INJECTIONS, INTRAVENOUS; INSULIN (secretion, blood, diagnostic use); MALE; NITROGEN (blood); TOLBUTAMIDE (diagnostic use); UNITED STATES GOVERNMENT SUPPORTED, NON-N.I.H..

Wilson FA

- THE INTESTINAL UNSTIRRED LAYER: ITS SURFACE AREA AND EFFECT ON ACTIVE TRANSPORT KINETICS. Wilson FA, Dietschy JM *Biochim Biophys Acta* 363: 112-26, 21 Aug 74 (Eng)
RATS; ANIMAL EXPERIMENTS; COMPARATIVE STUDY; INTESTINAL MUCOSA (metabolism); JEJUNUM (metabolism); ILEUM (metabolism); BIOLOGICAL TRANSPORT, ACTIVE; KINETICS; CARBON RADIOISOTOPES; TRITIUM; MATHEMATICS; DIFFUSION; GLUCOSE (metabolism); GALACTOSE (metabolism); SERINE (metabolism); TAUROCHOLIC ACID (metabolism); DEOXYCHOLIC ACID (metabolism); MODELS, BIOLOGICAL; TIME FACTORS; REGRESSION ANALYSIS.

Winchester JG

- EFFECT OF BETAMETHASONE ON THE PRODUCTION OF GLUCOSE FROM PROPIONATE BY SHEEP. Ford EJ, Winchester JG *J Endocrinol* 62: 51-7, Jul 74 (Eng)

Wingerd J

- IDIOPATHIC FACIAL PARALYSIS (BELLS Palsy): FACTORS AFFECTING SEVERITY AND OUTCOME IN 446 PATIENTS. Adour KK, Wingerd J *Neurology (Minneapolis)* 24: 1112-6, Dec 74 (Eng)

Winkler H

- MEMBRANE PROTEINS OF CATECHOLAMINE-STORING VESICLES IN ADRENAL MEDULLA AND SYMPATHETIC NERVES. Winkler H, Hortnagl H, Asamer H,

Diabetes Literature—Author Index

Wurster B

Plattner H *Adv Exp Med Biol* 32: 69-81, 1972 (Eng)

CATTLE; ANIMAL EXPERIMENTS; ADRENAL MEDULLA (analysis, cytology, enzymology); SYMPATHETIC NERVOUS SYSTEM (analysis); NERVE TISSUE PROTEINS (analysis); PROTEINS (analysis); CATECHOLAMINES; PROTEIN BINDING; BINDING SITES; HORSES; COMPLEMENT FIXATION TESTS; ELECTROPHORESIS, DISC; RABBITS (immunology); MICROSCOPY, ELECTRON; SPECTROPHOTOMETRY, ULTRAVIOLET; SPECTROPHOTOMETRY; FLUORESCENT ANTIBODY TECHNIC; GEL FILTRATION; CELL MEMBRANE (analysis); CHOLESTEROL (analysis); CYTOCHROMES (analysis); ADENOSINE TRIPHOSPHATASE (analysis); DOPAMINE BETA HYDROXYLASE (analysis).

Winqvist L

BINDING OF CONCAVALIN A-SEPHAROSE TO GLYCOPROTEINS OF LIVER MICROSOMAL MEMBRANES. Winqvist L, Eriksson LC, Dallner G *FEBS Lett* 42: 27-31, 15 May 74 (Eng)

RATS; ANIMAL EXPERIMENTS; MALE; GLYCOPROTEINS (metabolism, analysis); MICROSOMES, LIVER (metabolism, analysis); CONCAVALIN A (metabolism); POLYSACCHARIDES; GLYCERIN (metabolism); LEUCINE (metabolism); PROTEIN BINDING; KINETICS; BINDING SITES; SOLUBILITY; MEMBRANES (metabolism, analysis); DEOXYCHOLIC ACID; CARBON RADIOISOTOPES; TRITIUM; MANNOSE (metabolism); GLYCOSIDES (metabolism); GLUCOSAMINE (metabolism); ULTRACENTRIFUGATION; PHOSPHOLIPIDS (analysis); MITOCHONDRIA, LIVER (metabolism).

Winter JS

THE METABOLIC RESPONSE TO EXERCISE AND EXHAUSTION IN NORMAL AND GROWTH-HORMONE-DEFICIENT CHILDREN. Winter JS *Can J Physiol Pharmacol* 52: 575-82, Jun 74 (Eng)

ADOLESCENCE; HUMAN; MALE; FEMALE; SOMATOTROPIN (physiology, blood); EXERTION; FATIGUE (blood); HYPOPHYSITISM (blood); SEX FACTORS; 11-HYDROXYCORTICOSTEROIDS (blood); TIME FACTORS; BLOOD SUGAR (analysis); HYDROCORTISONE (blood); LACTATES (blood); CORTICOTROPIN (blood).

Winzler RJ

ASSOCIATION OF GLYCOPROTEINS WITH THE MEMBRANES. II. ISOLATION AND PARTIAL CHARACTERIZATION OF LIPOPHILIC FRAGMENT FROM HUMAN ERYTHROCYTE MEMBRANE GLYCOPROTEIN. Javadi JJ, Winzler RJ *Biochemistry* 13: 3639-42, 27 Aug 74 (Eng)

Wisniewski K

KININS AND HYPOGLYCEMIC CONVULSIONS. Wisniewski K, Mackiewicz W *Pol J Pharmacol Pharm* 26: 611-5, Jul-Aug 74 (Eng)

ANIMAL EXPERIMENTS; BLOOD SUGAR (analysis); BRADYKININ (pharmacodynamics); BRAIN (enzymology); CONVULSIONS (chemically induced); HYPOGLYCEMIA (chemically induced); INSULIN (adverse effects, pharmacodynamics, antagonists & inhibitors); KALLIKREIN (pharmacodynamics); KALLIKREIN-TRYPSIN INACTIVATOR (pharmacodynamics); MALE; RATS; TIME FACTORS.

Wittke G

[THE EFFECT OF INTERMITTENT TRAINING LOADS ON BLOOD CHARACTERISTICS IN TROTTERS (AUTHORS TRANSL.) Krzywanek H, Schulze A, Wittke G *Eur J Appl Physiol* 32: 329-40, 1974 (Ger)

Wohlgemuth B

[MORPHOLOGICAL CHANGES OF THE LIVER IN METABOLIC DISORDERS] Wohlgemuth B *Dtsch Z Verdau Stoffwechselk* 34: 17-22, 1974 (Ger)

AGED; CARBOHYDRATES (metabolism); CHILD; DIABETES MELLITUS (complications); DRUG THERAPY (adverse effects); FATTY LIVER (etiology); FEMALE; GLYCOGEN (metabolism); HUMAN; LIPIDS (metabolism); LIVER DISEASES (pathology, etiology, metabolism); MALE; METABOLIC DISEASES (complications); OXYGEN CONSUMPTION; PROTEINS (metabolism).

Wohlrab F

[LACTATE DEHYDROGENASE ISOENZYMES IN THE WALL OF THE RATS AORTA IN EXPERIMENTAL STREPTOZOTOCIN-DIABETES] Wohlrab F, Gotze J *Dtsch Z Verdau Stoffwechselk* 34: 53-8, 1974 (Ger)

ANIMAL EXPERIMENTS; AORTA (enzymology); AORTA, ABDOMINAL (enzymology); AORTA, THORACIC (enzymology); DIABETES MELLITUS (enzymology, chemically induced); DIABETIC ANGIOPATHIES (enzymology, chemically induced); DISEASE MODELS, ANIMAL; LACTATE DEHYDROGENASE ISOENZYMES (metabolism); MALE; RATS; STREPTOZOTOCIN; TIME FACTORS.

Wojcikowski C

[NEW COMPOUNDS AND REACTIONS OF SULFONAMIDES WITH AMINES. XIV. HYPOGLYCEMIC PROPERTIES OF SOME DERIVATIVES OF N-(BENZENOSULFONYL)-DELTA-2-PYRAZOLINE-1-CARBOXAMIDE] Brzozowski Z, Angielski S, Wojcikowski C *Acta Pol Pharm* 31: 601-6, 1974 (Pol)

Wojtczak L

EFFECT OF FATTY ACIDS AND ACYL-COA ON THE PERMEABILITY OF MITOCHONDRIAL MEMBRANES TO MONOVALENT CATIONS. Wojtczak L *FEBS Lett* 44: 25-30, 15 Aug 74 (Eng)

RATS; ANIMAL EXPERIMENTS; COMPARATIVE STUDY; MITOCHONDRIA, LIVER (metabolism, drug effects); POTASSIUM (metabolism); LITHIUM (metabolism); SODIUM (metabolism); RUBIDIUM (metabolism); CESIUM (metabolism); COENZYME A (pharmacodynamics); FATTY ACIDS (pharmacodynamics); OLIGOMYCIN (pharmacodynamics); PALMITIC ACID (pharmacodynamics); CYANIDES (pharmacodynamics); ROTENONE (pharmacodynamics); MEMBRANES (metabolism, drug effects); HYDRAZONES (pharmacodynamics); BIOLOGICAL TRANSPORT; OLEIC ACID (pharmacodynamics); BIOLOGICAL TRANSPORT, ACTIVE; PHOTOMETRY; SPECTROPHOTOMETRY, ATOMIC ABSORPTION.

Wolf EH

NON-ESTERIFIED FATTY ACID (FFA) METABOLISM FOLLOWING SEVERE HEMORRHAGE IN THE CONSCIOUS DOG. Spitzer JJ, Wiener R, Wolf EH *Adv Exp Med Biol* 33: 221-30, 1972 (Eng)

Wolf LM

[TREATMENT OF HYPOGLYCEMIA IN THE ADULT] Wolf LM *Cah Med* 15: 589-93, Sep 74 (Fre)

AGE FACTORS; FASTING (adverse effects); GLUCOSE TOLERANCE TEST; HUMAN; HYPOGLYCEMIA (therapy, etiology, diagnosis); PARASYMPATHOLYTICS (therapeutic use).

Wolff OH

CHILDHOOD OBESITY. Wolff OH, Lloyd JK *Proc Nutr Soc* 32: 195-8, Dec 73 (Eng) [24]

REVIEW; INFANT; CHILD, PRESCHOOL; CHILD; HUMAN; OBESITY (occurrence, etiology); ADIPOSE TISSUE (cytology); SKINFOLD THICKNESS; GROWTH; PUBERTY; CELL COUNT.

Wollheim CB

EFFECT OF CHOLERA TOXIN ON INSULIN RELEASE IN MONOLAYER CULTURES OF THE ENDOCRINE PANCREAS. Wollheim CB, Blondel B, Sharp GW *Diabetologia* 10: 783-7, Dec 74 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (pharmacodynamics); ANIMAL EXPERIMENTS; ARGinine (pharmacodynamics); CELLS, CULTURED; COMPARATIVE STUDY; CULTURE MEDIA; DEPRESSION, CHEMICAL; DRUG SYNERGISM; ENTEROTOXINS (pharmacodynamics); EPINEPHRINE (pharmacodynamics); GLUCAGON (pharmacodynamics); GLUCOSE (metabolism, pharmacodynamics); IN VITRO; INSULIN (secretion); PANCREAS (drug effects); RATS; STIMULATION, CHEMICAL; THEOPHYLLINE (pharmacodynamics); TIME FACTORS; VIBRIO COMMA.

Wood-Guth I

EFFECT OF TEMPERATURE ON SULFATE MOVEMENTS ACROSS CHEMICALLY OR ENZYMATICALLY MODIFIED MEMBRANES OF HUMAN RED BLOOD CELLS. Schwach G, Rudloff V, Wood-Guth I, Passow H *Biochim Biophys Acta* 339: 126-38, 26 Feb 74 (Eng)

Woodruff T

A CENTRIFUGAL ANALYZER WITH A NEW ALL-DIGITAL MEASUREMENT SYSTEM. Avery J, Gregory RP 4th, Renoe BW, Woodruff T, Malmstadt HV *Clin Chem* 20: 942-49, Aug 74 (Eng)

Woods HF

LACTICACIDOSIS, KETOACIDOSIS, AND HYPERALANINAEMIA IN A PHENFORMIN-TREATED DIABETIC PATIENT. Ball S, Woods HF, Alberti KG *Br Med J* 4: 699-700, 21 Dec 74 (Eng)

Worm J

[GLIBORNURID (GLUTRIL, ROCHE)] Worm J *Ugeskr Laeger* 136: 2763-4, 2 Dec 74 (Dan)

BORNANES (therapeutic use, metabolism); DIABETES MELLITUS (drug therapy); HALF-LIFE; HUMAN; SULFONYLUREA COMPOUNDS (therapeutic use, metabolism).

Wright AD

[A DAY CENTER FOR DIABETICS] King B, Spaulding WB, Wright AD *Infirm Can* 17: 28-32, Jan 75 (Fre)

Wurster B

ANOMERIC SPECIFICITY OF ENZYMES OF D-GLUCOSE METABOLISM. Wurster B, Hess B *FEBS Lett* 40: suppl 10: 112-8, 23 Mar 74 (Eng) [69]

REVIEW; HUMAN; COMPARATIVE STUDY; GLUCOSE (metabolism); KINETICS; STRUCTURE-ACTIVITY RELATIONSHIP; HEXOKINASE (metabolism); GLUCOSEPHOSPHATES; FRUCTOSEPHOSPHATES; HEXOSEDIPHOSPHATES; ALCOHOL OXIDOREDUCTASES (metabolism); PHOSPHOGLUCOMUTASE (metabolism); CARBOHYDRATE ISOMERASES (metabolism); GLUCOSEPHOSPHATE ISOMERASE (metabolism); GLUCOSEPHOSPHATE DEHYDROGENASE (metabolism); PHOSPHOTRANSFERASES, ATP (metabolism); GLUCOSE OXIDASE (metabolism); FRUCTOSEDIPHOSPHATE ALDOLASE (metabolism); SPECIES SPECIFICITY; HEXOSEDIPHOSPHATASE (metabolism);

Xanthou M

ORGAN SPECIFICITY;
GLUCOSEPHOSPHATASE (metabolism).

Xanthou M

MACROGLOSSIA, TRANSIENT NEONATAL DIABETES MELLITUS AND INTRAUTERINE GROWTH FAILURE: A NEW DISTINCT ENTITY Dacou-Voutetakis C, Anagnostakis D, Xanthou M *Pediatrics* 55: 127-31, Jan 75 (Eng)

Yamagata S

FREEZE-FRACTURE IMAGES OF CAPILLARIES IN NORMAL AND NEOPLASTIC PITUITARIES. Tani E, Ikeda K, Kudo S, Yamagata S, Makita Y *Acta Neuropathol (Berl)* 28: 105-16, 1974 (Eng)

EFFECT OF INTRAPANCREATIC ADMINISTRATION OF CALCIUM UPON GLUCAGON SECRETION IN DOGS. Ohneda A, Matsuda K, Horigome K, Ishii S, Yamagata S *Tohoku J Exp Med* 113: 301-11, Aug 74 (Eng)

EFFECT OF CLOFIBRATE ADMINISTRATION ON PLASMA POST-HEPARIN LIPOLYTIC ACTIVITY IN MAN. Maruhama Y, Yanbe A, Abe R, Oneda A, Yamagata S *Tohoku J Exp Med* 113: 343-9, Aug 74 (Eng)

Yamaji T

[LIPOATROPHIC DIABETES WITH FAT MALABSORPTION (AUTHORS TRANSL.)] Imawari M, Takeuchi A, Yamaji T, Kitamura T, Akanuma Y *J Jpn Soc Intern Med* 63: 656-62, 10 Jul 74 (Jpn)

Yamamoto Y

[OCULAR ULTRASONIC BLOOD RHEOGRAPHY WITH O-CROSS COUNTER. REPORT IV. STUDIES OF DIABETIC RETINOPATHY] Yamamoto Y, Hirano S, Kaburagi H, Tomota M, Sueno M *Acta Soc Ophthalmol Jpn* 78: 913-25, 10 Sep 74 (Jpn)

AGED; DIABETIC RETINOPATHY (physiopathology); ENGLISH ABSTRACT; HUMAN; MIDDLE AGE; OPHTHALMIC ARTERY (physiopathology); RETINAL ARTERY (physiopathology); RHEOLOGY; ULTRASONICS (diagnostic use).

Yanbe A

EFFECT OF CLOFIBRATE ADMINISTRATION ON PLASMA POST-HEPARIN LIPOLYTIC ACTIVITY IN MAN. Maruhama Y, Yanbe A, Abe R, Oneda A, Yamagata S *Tohoku J Exp Med* 113: 343-9, Aug 74 (Eng)

Yates DW

THE IDENTIFICATION OF INTERMEDIATES IN THE REACTION OF PIG HEART LACTATE DEHYDROGENASE WITH ITS SUBSTRATES. Whitaker JR, Yates DW, Bennett NG, Holbrook JJ, Gutfreund H *Biochem J* 139: 677-97, Jun 74 (Eng)

Yoshikawa K

[CARBOHYDRATE INFUSION I: HYPERURICAEMIA CAUSED BY CARBOHYDRATE INFUSION] Yoshikawa K, Kuro M, Oda T, Minami T *Jap J Anesthesiol* 23: 106-14, Feb 74 (Jap)

ENGLISH ABSTRACT; ADULT; MIDDLE AGE; HUMAN; CARBOHYDRATES (adverse effects); URIC ACID (blood); ANESTHESIA, GENERAL; INFUSIONS, PARENTERAL (adverse effects).

Young BA

THE EFFECT OF NORADRENALINE AND TYRAMINE ON CARDIAC CONTRACTILITY, CYCLIC AMP, AND PHOSPHORYLASE A IN NORMAL AND HYPERTHYROID RATS. Young BA, McNeill JH *Can J Physiol Pharmacol* 52: 375-83, Jun 74 (Eng)

RATS; ANIMAL EXPERIMENTS; FEMALE; NOREPINEPHRINE (pharmacodynamics); TYRAMINE (pharmacodynamics); HEART (drug effects); ADENOSINE CYCLIC 3,5

Diabetes Literature—Author Index

MONOPHOSPHATE (metabolism); GLYCOGEN PHOSPHORYLASE (metabolism); HYPERTHYROIDISM (metabolism, chemically induced); MYOCARDIUM (metabolism, enzymology); TRIIODOTHYRONINE (pharmacodynamics); TIME FACTORS; DOSE-RESPONSE RELATIONSHIP; DRUG; ENZYME ACTIVATION (drug effects); STIMULATION, CHEMICAL.

Young ER

A COMPARISON OF ANTICOAGULANTS FOR THE ANALYSIS OF GLUCOSE CONCENTRATION AND FOR HAEMATOLOGICAL MEASUREMENTS IN BOVINE BLOOD. Manston R, Whitlock RH, Young ER *J Comp Pathol* 84: 59-65, Jan 74 (Eng)

Young JW

GLUCONEOGENESIS IN RUMINANTS: GLUCOSE KINETIC PARAMETERS IN CALVES UNDER STANDARDIZED CONDITIONS. Young JW, Trott DR, Berger PJ, Schmidt SP, Smith JA *J Nutr* 104: 1049-55, Aug 74 (Eng)

ANIMAL EXPERIMENTS; MALE; GLUCONEOGENESIS; KINETICS; CATTLE (metabolism); GLUCOSE (metabolism, administration & dosage); CARBON RADIOISOTOPES; INJECTIONS, INTRAVENOUS; PARENTERAL FEEDING; BLOOD SUGAR (metabolism); MATHEMATICS; COMPUTERS, DIGITAL; FASTING; ANIMAL NUTRITION; TIME FACTORS.

Younoszai MK

EDITORIAL: JEJUNAL ABSORPTION OF HEXOSE IN INFANTS AND ADULTS. Younoszai MK *J Pediatr* 85: 446-8, Sep 74 (Eng)

INFANT; ADULT; RATS; ANIMAL EXPERIMENTS; HUMAN; COMPARATIVE STUDY; INTESTINAL ABSORPTION; JEJUNUM (metabolism); HEXOSES (metabolism); AGE FACTORS; GLUCOSE (metabolism); INTESTINE, SMALL (metabolism); PERFUSION; GROWTH; GALACTOSE (metabolism); KIDNEY TUBULES (metabolism, cytology); EPITHELIAL CELLS (cytology, metabolism); INFANT, PREMATURE.

Yueh-Chien H

ANTERIOR HYPOPHYSIAL FUNCTION IN THE POSTERIOR-HYPOPHYSECTOMIZED RAT: NORMAL REGULATION OF THE ADRENAL SYSTEM. Miller RE, Yueh-Chien H, Wiley MK, Hewitt R *Neuroendocrinology* 14: 233-50, 74 (Eng)

Zabucchi G

PERTURBATION OF LEUKOCYTE METABOLISM BY NONPHAGOCYTOSABLE CONCAVALIN A-COUPLED BEADS. Romeo D, Jug M, Zabucchi G, Rossi F *FEBS Lett* 42: 90-3, 15 May 74 (Eng)

Zaleski J

INTERRELATIONSHIP BETWEEN PHOSPHOENOLPYRUVATE AND CITRULLINE SYNTHESIS IN GUINEA PIG LIVER MITOCHONDRIA. Bryla J, Zaleski J, Kubica A *Acta Biochim Pol* 21: 199-211, 1974 (Eng)

Zalewski J

[ADRENAL RESERVE IN DIABETES INSIPIDUS TREATED WITH CHLORPROPAMIDE] Mazanek E, Zalewski J, Kowalski S, Panek E, Starzewska H *Endokrynol Pol* 26: 17-20, Jan-Feb 75 (Pol)

Zapf J

EFFECTS OF HORMONES ON CYCLIC AMP RELEASE FROM RAT ADIPOSE TISSUE IN VITRO. Zumstein P, Zapf J, Froesch ER *FEBS Lett* 49: 65-9, 1 Dec 74 (Eng)

Zayed A

[AN EXCEPTIONAL FORM OF DIABETIC RETINOPATHY: PATZS PAPILLO-MACULOPATHY. APROPOS OF A CASE] Amalric P, Zayed A, Aubertin J *Bull Soc Ophthalmol Fr* 74: 201-5, Feb 74 (Fre)

Ziegler M

INHIBITION OF GLUCAGON SECRETION BY GLUCOSE AND GLYCERALDEHYDE ON ISOLATED ISLETS OF WISTAR RATS. Hahn HJ, Ziegler M, Mohr E *FEBS Lett* 49: 100-2, 1 Dec 74 (Eng)

Zimmermann T

STUDIES ON THE LIPID METABOLISM USING 14C-1-PALMITATE IN FETAL RATS. Hummel L, Schirrmeister W, Zimmermann T, Wagner H *Biol Neonate* 24: 289-305, 1974 (Eng)

Zitnan D

[EXSUDATIVE PLEURISY IN RHEUMATOID ARTHRITIS] Hajzok O, Hajzokova M, Zitnan D, Rovensky J *Z Rheumatol* 33: 198-205, May-Jun 74 (Ger)

Zsernaviczky J

[MULTIPLE OSTEONECROSIS WITH TYPE IV HYPERLIPOPROTEINEMIA (AUTHORS TRANSL.)] Zsernaviczky J, von Torklus D, Wilke H, Frahm H *Z Orthop* 112: 1112-8, Oct 74 (Ger)

ADULT; BLOOD PROTEIN DISORDERS (complications); BONE DISEASES (complications, etiology); ENGLISH ABSTRACT; GLUCOSE TOLERANCE TEST; GOUT (complications); HIP JOINT; HUMAN; HYPERLIPIDEMIA (complications, diagnosis); JOINT DISEASES (etiology); KNEE JOINT; MALE; NECROSIS (etiology); OBESITY (complications); TRIGLYCERIDES (blood); URIC ACID (blood).

Zumstein P

EFFECTS OF HORMONES ON CYCLIC AMP RELEASE FROM RAT ADIPOSE TISSUE IN VITRO. Zumstein P, Zapf J, Froesch ER *FEBS Lett* 49: 65-9, 1 Dec 74 (Eng)

ADENOSINE CYCLIC 3,5 MONOPHOSPHATE (metabolism); ADIPOSE TISSUE (metabolism, drug effects); ANIMAL EXPERIMENTS; DOSE-RESPONSE RELATIONSHIP; DRUG; EPIDIDYMIS; EPINEPHRINE (pharmacodynamics); GLUCAGON (pharmacodynamics); GLYCERIN (metabolism); INSULIN (pharmacodynamics); LIVER (metabolism); MALE; RATS; RECEPTORS, DRUG; THEOPHYLLINE (pharmacodynamics).

Anonymous

[EXPERIMENTAL OBSERVATIONS ON GASTROINTESTINAL MOTILITY AND ABSORPTIVE FUNCTION AFTER ABDOMINAL OPERATION] Anonymous *Chin Med J* 7: 394-8, 1974 (Chi)

ENGLISH ABSTRACT; DOGS; ANIMAL EXPERIMENTS; GASTROINTESTINAL MOTILITY; INTESTINAL ABSORPTION; ABDOMEN (surgery); GLUCOSE (metabolism); BLOOD SUGAR (analysis).

[PATHOLOGY OF SOMATOTROPIC HORMONE] Anonymous *Annee Endocrinol* 25: 93-102, 1973 (Fre)

HUMAN; SOMATOTROPIN; HYPOPITUITARISM (physiopathology); ACROMEGALY; HYPERPITUITARISM (physiopathology); PITUITARY DISEASES (physiopathology).

[PHYSIOLOGY OF SOMATOTROPIN] Anonymous *Annee Endocrinol* 25: 76-92, 1973 (Fre)

HUMAN; MALE; FEMALE; SOMATOTROPIN (physiology, analysis); PITUITARY GLAND FUNCTION TESTS.

OBLIGATORY NITROGEN LOSSES.
Anonymous *Nutr Rev* 31: 147-9, May 73 (Eng)
[9]

REVIEW; CHILD; ADOLESCENCE; ADULT;
HUMAN; MALE; NITROGEN (metabolism,
urine); DIETARY PROTEINS; NUTRITIONAL
REQUIREMENTS; FECES (analysis); PROTEIN
DEFICIENCY (metabolism, urine); ETHNIC
GROUPS; BOSTON; TAIWAN; EVALUATION
STUDIES; WORLD HEALTH ORGANIZATION;
INTERNATIONAL AGENCIES; CAUCASIAN
RACE; MONGOLOID RACE; NUTRITION
DISORDERS (metabolism).

NEW DRUG FOR SCHIZOPHRENIA Anonymous
Br Med J 4: 614-5, 14 Dec 74 (Eng)

CHLORPROMAZINE (therapeutic use);
COMPARATIVE STUDY; DRUG SYNERGISM;
HEART ARREST (chemically induced);
HUMAN; HYPOGLYCEMIA (chemically
induced); HYPOTENSION (chemically induced);
PHENOTHIAZINES (therapeutic use);
PROPRANOLOL (therapeutic use, administration
& dosage, adverse effects); SCHIZOPHRENIA
(drug therapy).

[PYURIAS. DEFINITION] Anonymous *Cah Med*
15: 395-480, Jul 74 (Fre)

ADOLESCENCE; ADULT; ANTIBIOTICS
(therapeutic use); CHILD; CYSTITIS
(complications); DIABETES MELLITUS
(complications); DIAGNOSIS, DIFFERENTIAL;
ENDOSCOPY; FEMALE; HUMAN; KIDNEY
DISEASES (complications); MALE; MIDDLE

AGE; POSTOPERATIVE COMPLICATIONS;
PREGNANCY COMPLICATIONS,
INFECTIOUS; PREGNANCY;
PYELONEPHRITIS (complications); PYURIA
(diagnosis, etiology, drug therapy).

**EDITORIAL: TEACHING DIABETICS TO LIVE
WITH THEIR DIABETES.** Anonymous *Del Med*
J 47: 24, Jan 75 (Eng)

DIABETES MELLITUS; HEALTH EDUCATION.

**LETTER: ASYMPTOMATIC KIDNEY AND URI-
NARY TRACT INFECTION IN INDIAN
DIABETICS.** Anonymous *J Assoc Physicians*
India 22: 633-4, Aug 74 (Eng)

CHRONIC DISEASE; DIABETES MELLITUS
(complications); HUMAN; PYELONEPHRITIS
(diagnosis, complications); URINARY TRACT
INFECTIONS (complications).

PROCEEDINGS: THE DALE MEDAL 1974.
Anonymous *J Endocrinol* 63: 1p-2p, Nov 74
(Eng)

AWARDS AND PRIZES; CRYSTALLOGRAPHY
(history); CURRENT BIOG-OBIT; ENGLAND;
HISTORICAL ARTICLE; HISTORY OF
MEDICINE, 20TH CENT.; INSULIN.

**[ASSISTANCE OF PATIENTS WITH DIABETIC
CATARACT]** Anonymous *Jpn J Nurs Art* 20: 69-
77, Aug 74 (Jpn)

AGED; CATARACT (complications); DIABETES
MELLITUS (complications); GERIATRIC
NURSING; HUMAN; SPECIAL LIST NURSING.

**EDITORIAL: AUTOIMMUNE DIABETES MEL-
LITUS.** Anonymous *Lancet* 2: 1549-51, 28 Dec
74 (Eng)

AUTOANTIBODIES (isolation & purification);
AUTOIMMUNE DISEASES; DIABETES
MELLITUS (immunology, diagnosis);
FLUORESCENT ANTIBODY TECHNIC; HL-A
(isolation & purification); HUMAN; IGG
(isolation & purification); ISLANDS OF
LANGERHANS (immunology); LYMPHOCYTE
TRANSFORMATION.

**COMPETITION BETWEEN PHLORIZIN AND
GOLD THIOGLUCOSE FOR GLUCORECEP-
TOR CELL TRANSPORT MECHANISMS IN
THE HYPOTHALAMUS.** Anonymous *Nutr Rev*
33: 23-5, Jan 75 (Eng) [5]

ANIMAL EXPERIMENTS; ANIMAL
NUTRITION; ANOREXIA NERVOSA (drug
therapy); APPETITE REGULATION (drug
effects); AUROTHIOGLUCOSE (metabolism);
BIOLOGICAL TRANSPORT (drug effects);

DIET; GOLD (metabolism, metabolism);
HUMAN; HYPOTHALAMUS (metabolism, drug
effects); INSULIN (pharmacodynamics); MICE;
PHLORHIZIN (metabolism, pharmacodynamics,
therapeutic use); RATS; RECEPTORS, DRUG;
REVIEW.

**WHY NOT BECOMES A DIABETES NURSE
SPECIALIST** Anonymous *Nursing (Jenkintown)*
5: 85-7, Feb 75 (Eng)

CAREER MOBILITY; DIABETES MELLITUS
(nursing); SPECIALTIES, NURSING; SPECIAL
LIST NURSING; UNITED STATES.





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